

Test Plot 1#: FM_12.5kHz_400.0125MHz_Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.832$ S/m; $\epsilon_r = 44.491$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.35 W/kg

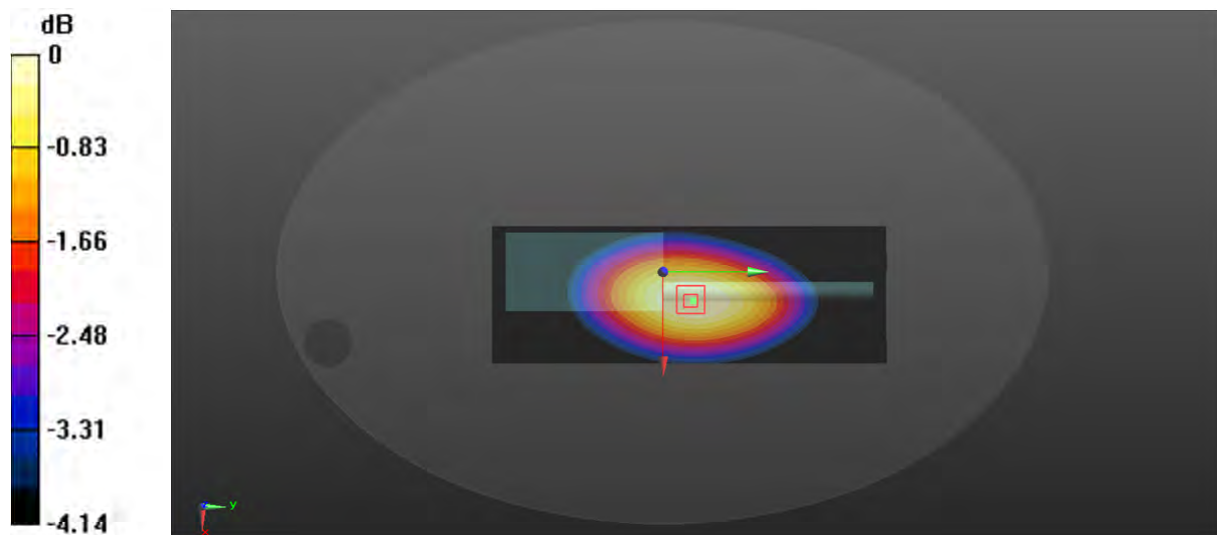
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.30 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 8.60 W/kg

SAR(1 g) = 6.88 W/kg; SAR(10 g) = 5.59 W/kg

Maximum value of SAR (measured) = 7.13 W/kg



0 dB = 7.13 W/kg = 8.53 dBW/kg

Test Plot 2#: FM_12.5kHz_417.5125MHz_Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

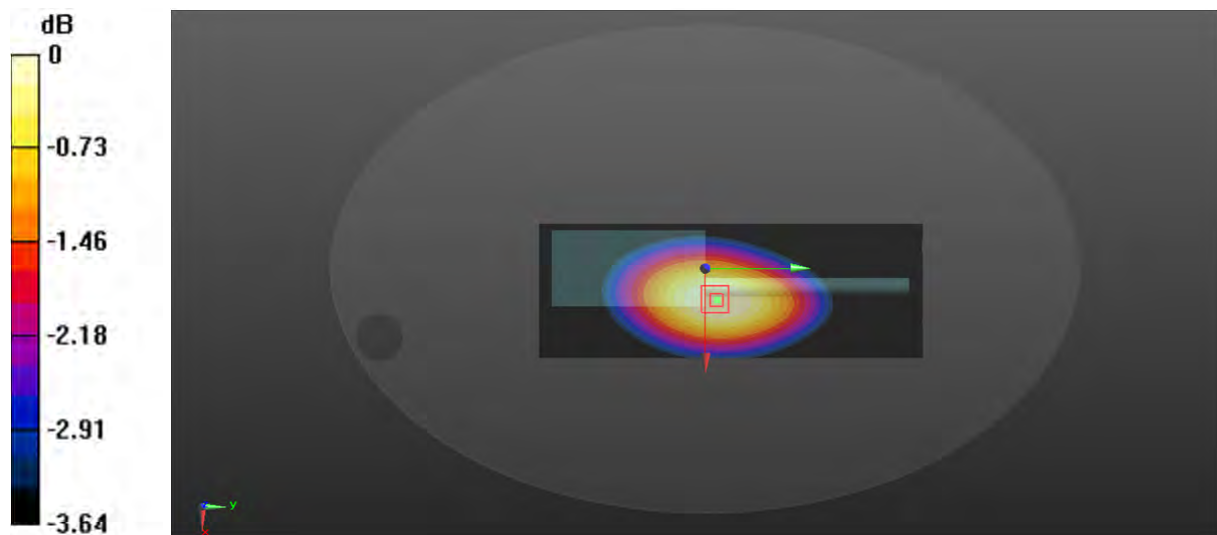
Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512 \text{ MHz}$; $\sigma = 0.847 \text{ S/m}$; $\epsilon_r = 44.485$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.38 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 86.97 V/m ; Power Drift = -0.19 dB Peak SAR (extrapolated) = 9.65 W/kg **SAR(1 g) = 7.64 W/kg ; SAR(10 g) = 6.38 W/kg** Maximum value of SAR (measured) = 8.14 W/kg 0 dB = 8.14 W/kg = 9.11 dBW/kg

Test Plot 3#: FM_12.5kHz_435MHz_Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

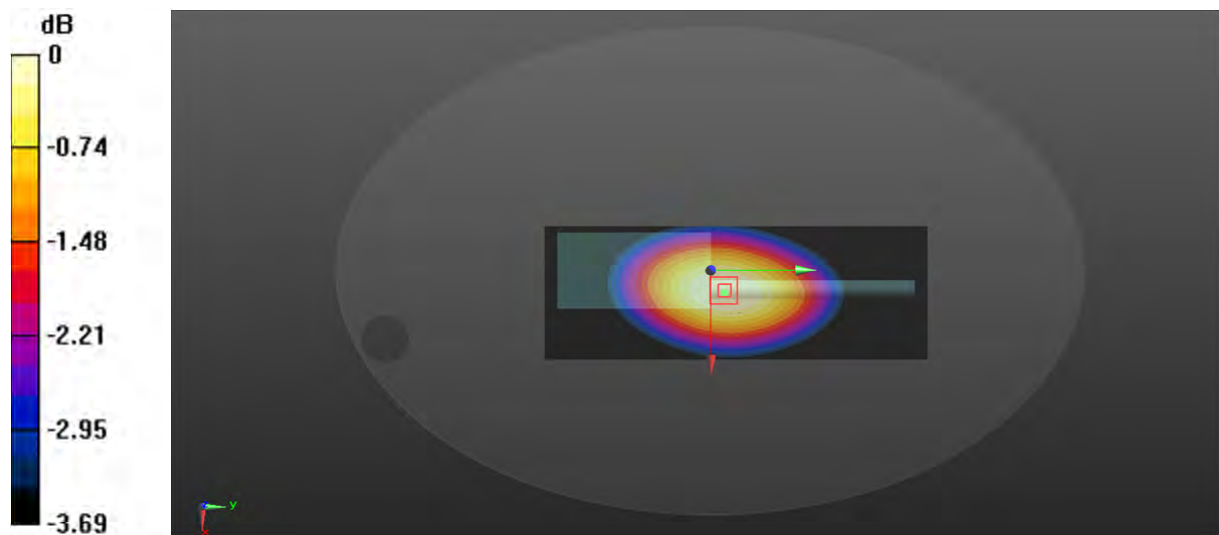
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.854 \text{ S/m}$; $\epsilon_r = 44.465$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.28 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 87.61 V/m ; Power Drift = -0.01 dB Peak SAR (extrapolated) = 8.34 W/kg **SAR(1 g) = 6.82 W/kg ; SAR(10 g) = 5.68 W/kg** Maximum value of SAR (measured) = 7.05 W/kg 0 dB = 7.05 W/kg = 8.48 dBW/kg

Test Plot 4#: FM_12.5kHz_452.4875MHz_Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

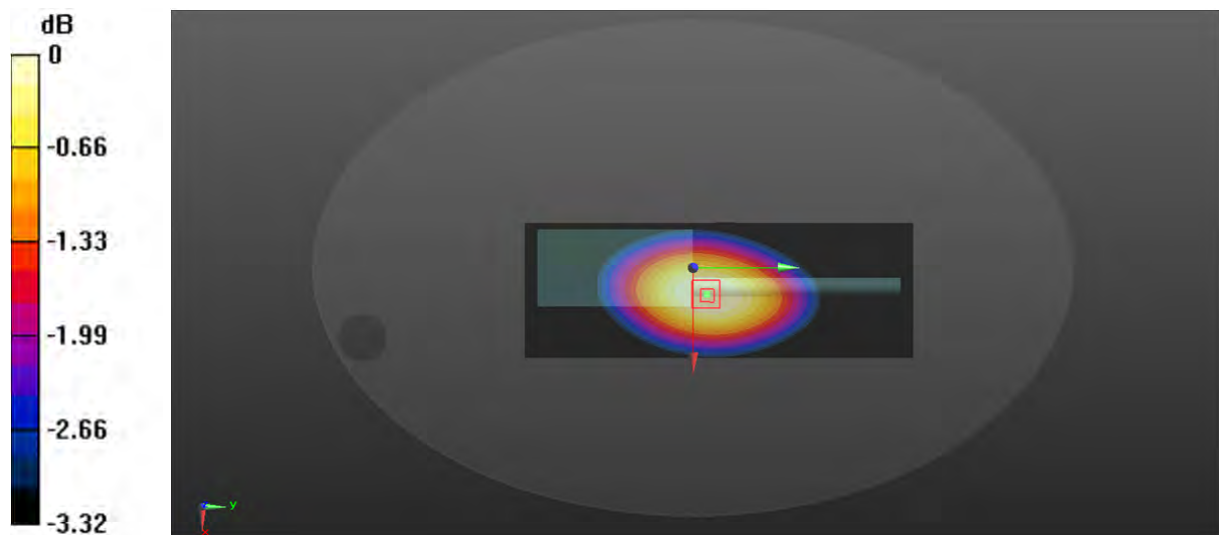
Communication System: FM; Frequency: 452.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452.488 \text{ MHz}$; $\sigma = 0.869 \text{ S/m}$; $\epsilon_r = 44.398$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 452.488 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.59 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 79.41 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 7.46 W/kg **SAR(1 g) = 6.25 W/kg ; SAR(10 g) = 5.34 W/kg** Maximum value of SAR (measured) = 6.42 W/kg 0 dB = 6.42 W/kg = 8.08 dBW/kg

Test Plot 5#: FM_12.5kHz_469.9875MHz_Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

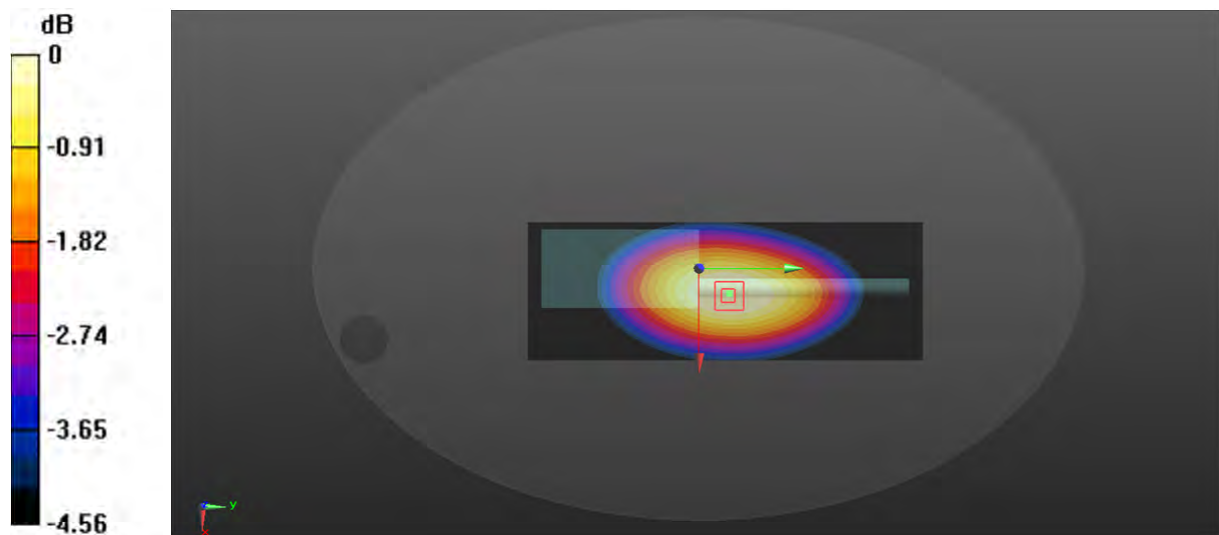
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.873 \text{ S/m}$; $\epsilon_r = 44.383$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 469.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.08 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 80.75 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 8.15 W/kg **SAR(1 g) = 6.49 W/kg ; SAR(10 g) = 5.21 W/kg** Maximum value of SAR (measured) = 6.74 W/kg 0 dB = 6.74 W/kg = 8.29 dBW/kg

Test Plot 6#: FM_12.5kHz_470.0125MHz _Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 470.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470.012$ MHz; $\sigma = 0.876$ S/m; $\epsilon_r = 44.36$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 470.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.51 W/kg

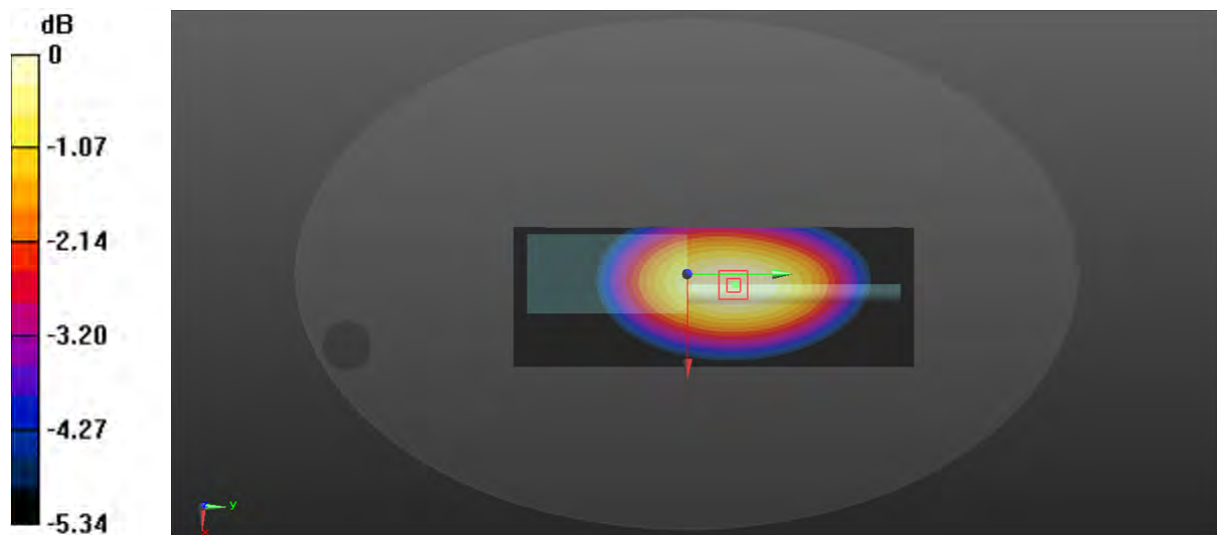
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.15 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 8.64 W/kg

SAR(1 g) = 7.03 W/kg; SAR(10 g) = 5.6 W/kg

Maximum value of SAR (measured) = 7.33 W/kg



0 dB = 7.33 W/kg = 8.65 dBW/kg

Test Plot 7#: FM_12.5kHz_484.2625MHz_Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

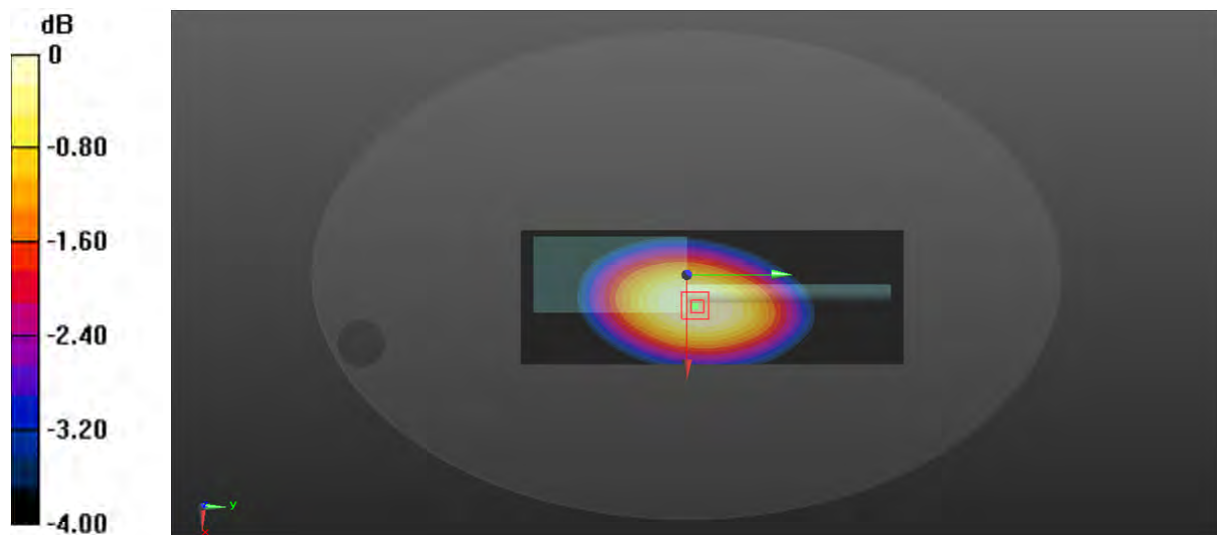
Communication System: FM; Frequency: 484.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 484.262 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 44.355$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.14 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 85.19 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 9.38 W/kg **SAR(1 g) = 7.57 W/kg ; SAR(10 g) = 6.2 W/kg** Maximum value of SAR (measured) = 7.84 W/kg 0 dB = $7.84 \text{ W/kg} = 8.94 \text{ dBW/kg}$

Test Plot 8#: FM_12.5kHz_498.5125MHz _Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

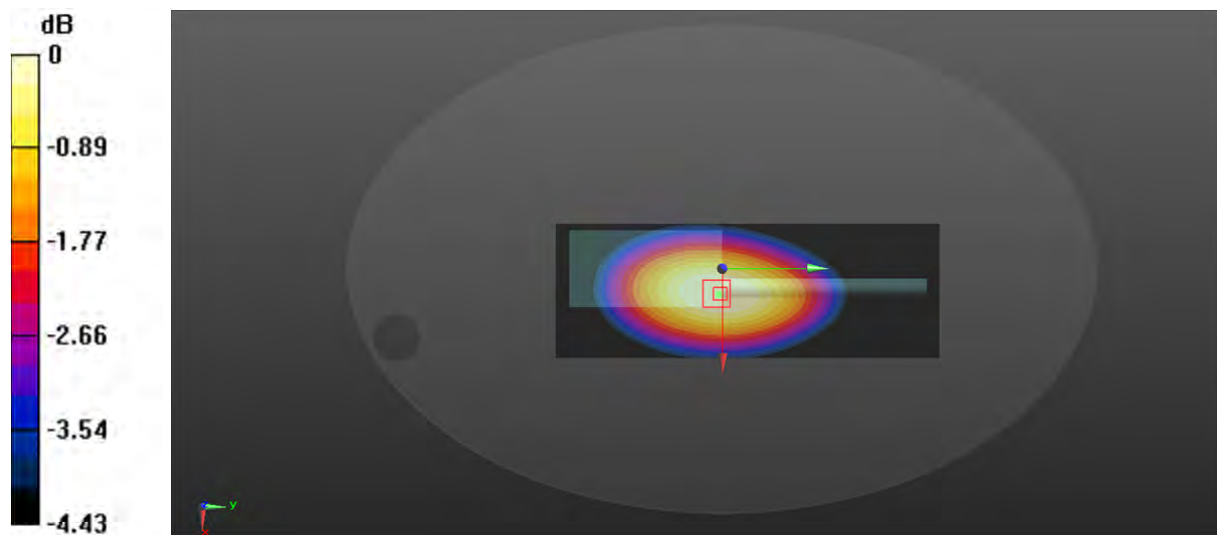
Communication System: FM; Frequency: 498.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 498.512 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 43.336$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 498.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.37 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 76.84 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 7.37 W/kg **SAR(1 g) = 5.9 W/kg ; SAR(10 g) = 4.75 W/kg** Maximum value of SAR (measured) = 6.14 W/kg 0 dB = $6.14 \text{ W/kg} = 7.88 \text{ dBW/kg}$

Test Plot 9#: FM_12.5kHz_512.7375MHz _ Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

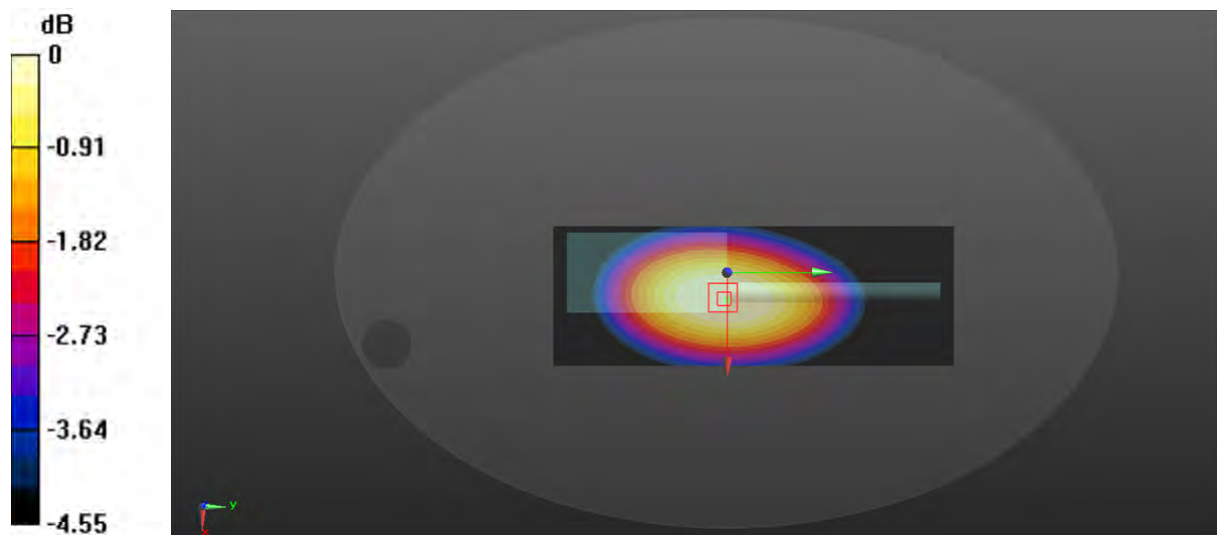
Communication System: FM; Frequency: 512.738 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 512.738 \text{ MHz}$; $\sigma = 0.908 \text{ S/m}$; $\epsilon_r = 43.283$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 512.738 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.26 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 71.77 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 5.92 W/kg **SAR(1 g) = 4.78 W/kg ; SAR(10 g) = 3.84 W/kg** Maximum value of SAR (measured) = 4.97 W/kg 0 dB = $4.97 \text{ W/kg} = 6.96 \text{ dBW/kg}$

Test Plot 10#: FM_12.5kHz_526.9875MHz_Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

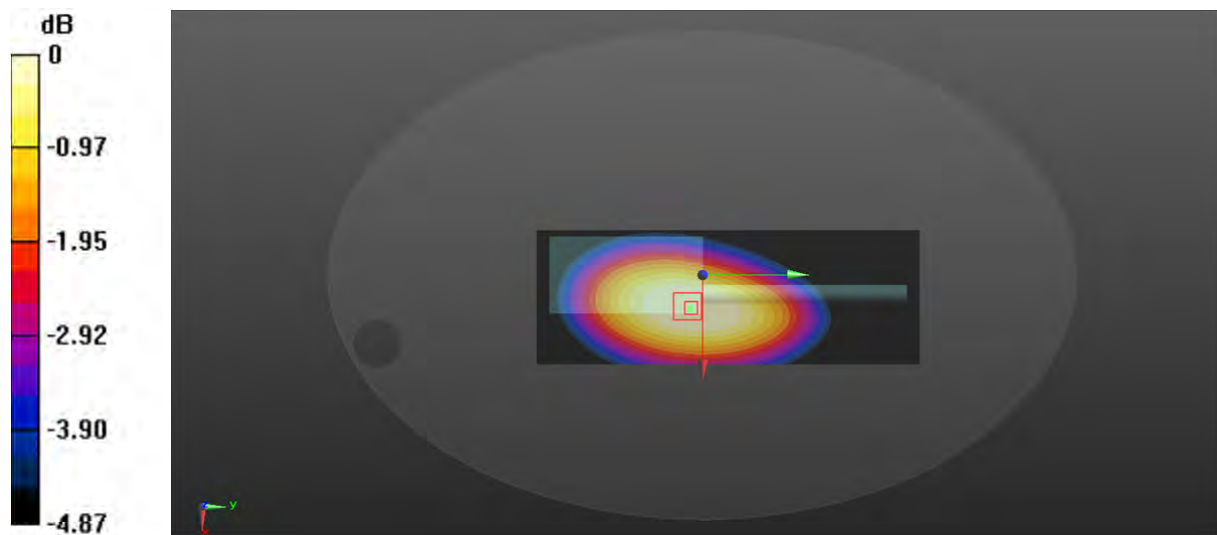
Communication System: FM; Frequency: 526.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 526.988 \text{ MHz}$; $\sigma = 0.916 \text{ S/m}$; $\epsilon_r = 44.191$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 526.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.95 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 65.50 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 5.58 W/kg **SAR(1 g) = 4.46 W/kg ; SAR(10 g) = 3.53 W/kg** Maximum value of SAR (measured) = 4.65 W/kg 0 dB = 4.65 W/kg = 6.67 dBW/kg

Test Plot 11#: FM_25kHz_400.0125MHz_Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.832$ S/m; $\epsilon_r = 44.491$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.87 W/kg

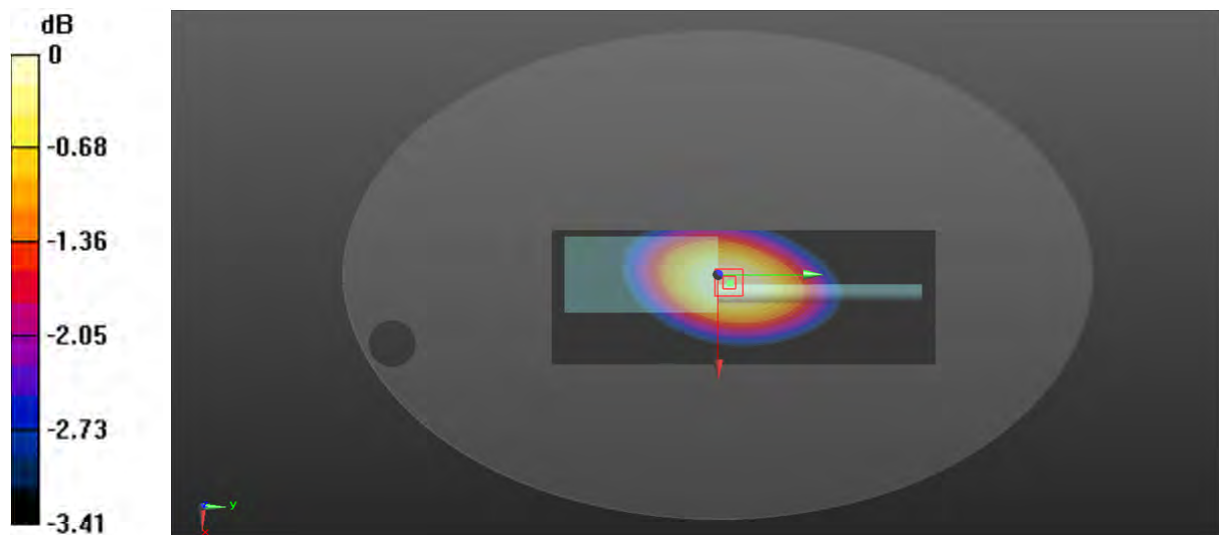
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.13 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 7.77 W/kg

SAR(1 g) = 6.48 W/kg; SAR(10 g) = 5.51 W/kg

Maximum value of SAR (measured) = 6.67 W/kg



0 dB = 6.67 W/kg = 8.24 dBW/kg

Test Plot 12#: FM_25kHz_ 417.5125MHz_ Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.847$ S/m; $\epsilon_r = 44.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 8.11 W/kg

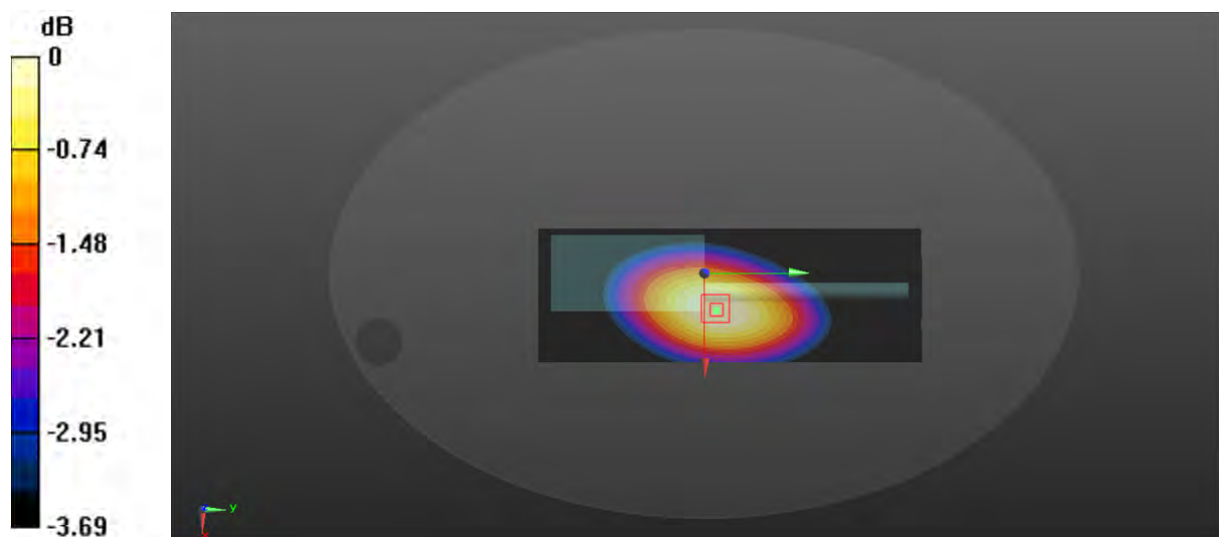
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 83.38 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 9.44 W/kg

SAR(1 g) = 7.71 W/kg; SAR(10 g) = 6.45 W/kg

Maximum value of SAR (measured) = 7.96 W/kg



0 dB = 7.96 W/kg = 9.01 dBW/kg

Test Plot 13#: FM_25kHz_ 435MHz_ Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435$ MHz; $\sigma = 0.854$ S/m; $\epsilon_r = 44.465$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.26 W/kg

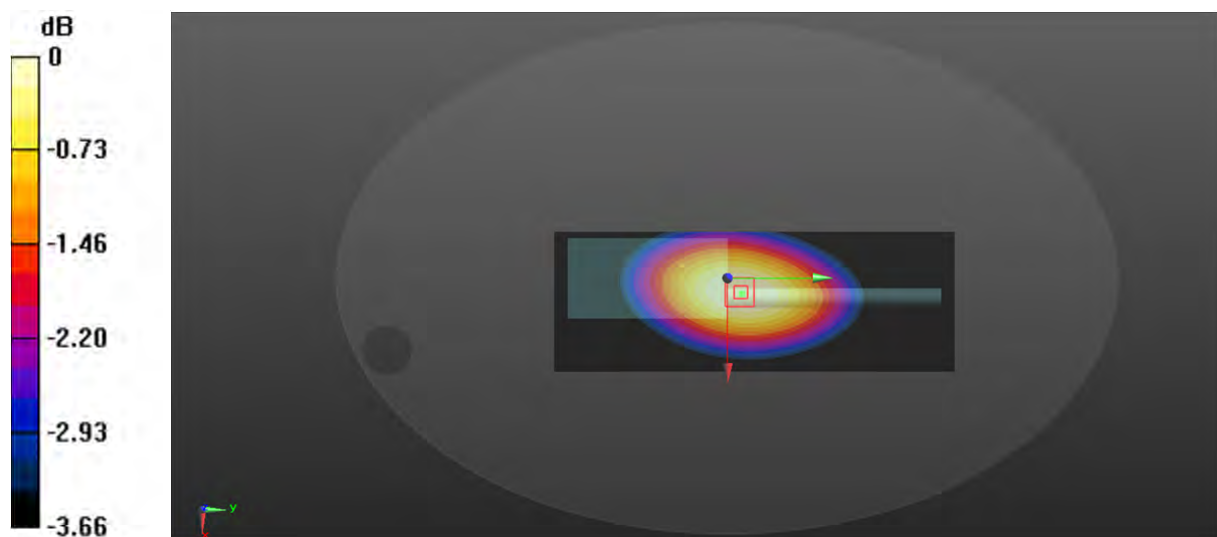
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.72 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 8.38 W/kg

SAR(1 g) = 6.83 W/kg; SAR(10 g) = 5.68 W/kg

Maximum value of SAR (measured) = 7.06 W/kg



0 dB = 7.06 W/kg = 8.49 dBW/kg

Test Plot 14#: FM_25kHz_ 452.4875MHz_ Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 452.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452.488$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 44.398$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 452.488 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 6.53 W/kg

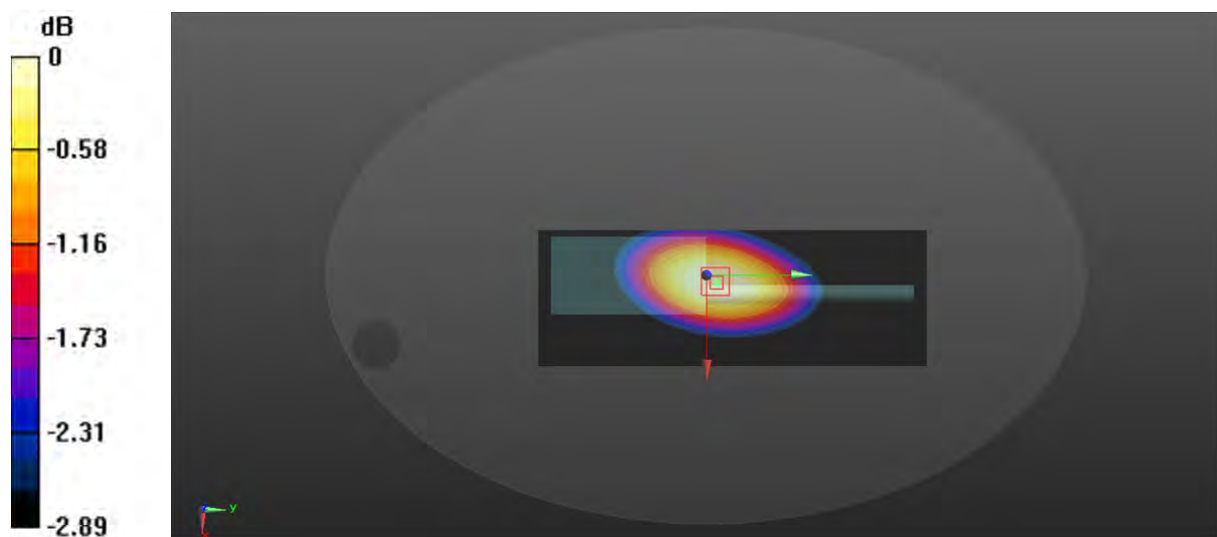
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 85.37 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 7.59 W/kg

SAR(1 g) = 6.12 W/kg; SAR(10 g) = 5.03 W/kg

Maximum value of SAR (measured) = 6.33 W/kg



0 dB = 6.33 W/kg = 8.01 dBW/kg

Test Plot 15#: FM_25kHz_ 469.9875MHz_ Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 44.383$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 469.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.93 W/kg

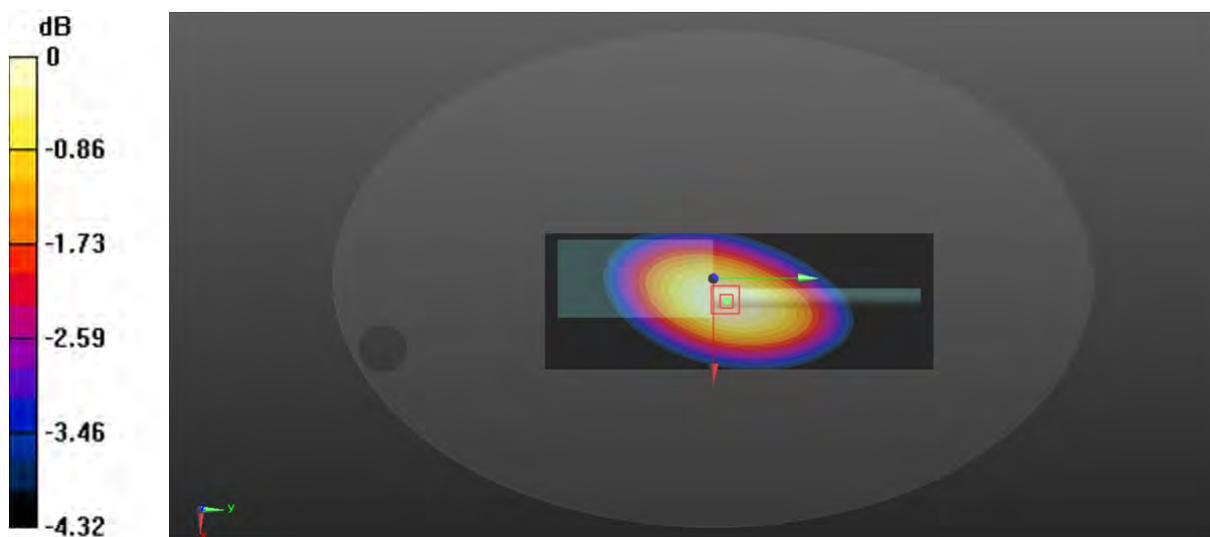
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.10 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 8.16 W/kg

SAR(1 g) = 6.53 W/kg; SAR(10 g) = 5.27 W/kg

Maximum value of SAR (measured) = 6.78 W/kg



0 dB = 6.78 W/kg = 8.31 dBW/kg

Test Plot 16#: FM_25kHz_ 484.2625MHz_ Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 484.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 44.355$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 7.32 W/kg

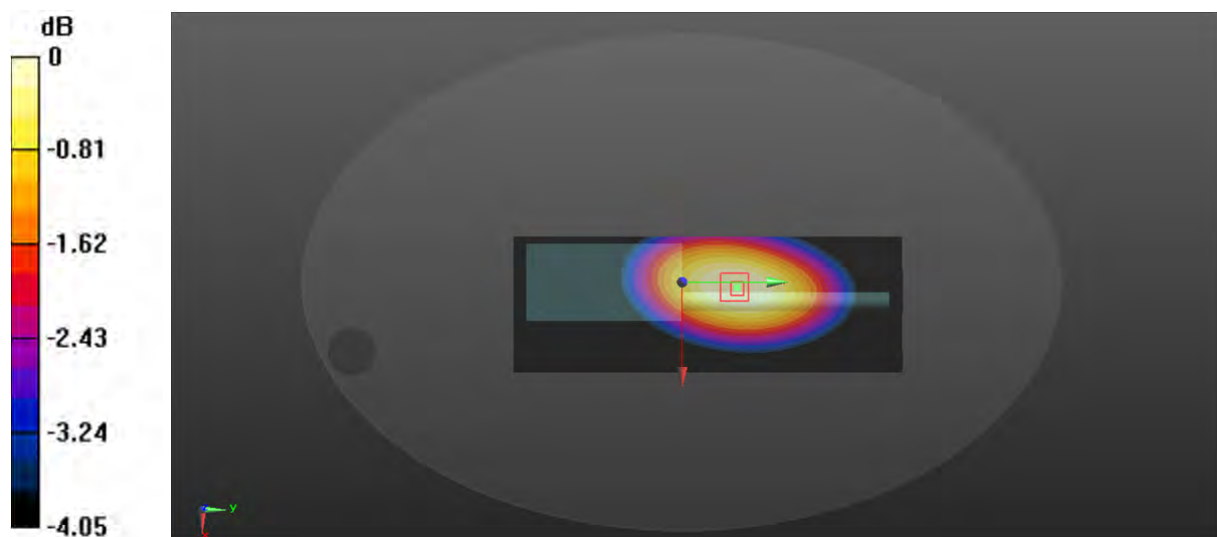
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 82.70 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 8.35 W/kg

SAR(1 g) = 6.23 W/kg; SAR(10 g) = 5.15 W/kg

Maximum value of SAR (measured) = 7.13 W/kg



0 dB = 7.13 W/kg = 8.53 dBW/kg

Test Plot 17#: 4FSK_417.5125MHz_Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: 4FSK; Frequency: 417.512 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.847$ S/m; $\epsilon_r = 44.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.02 W/kg

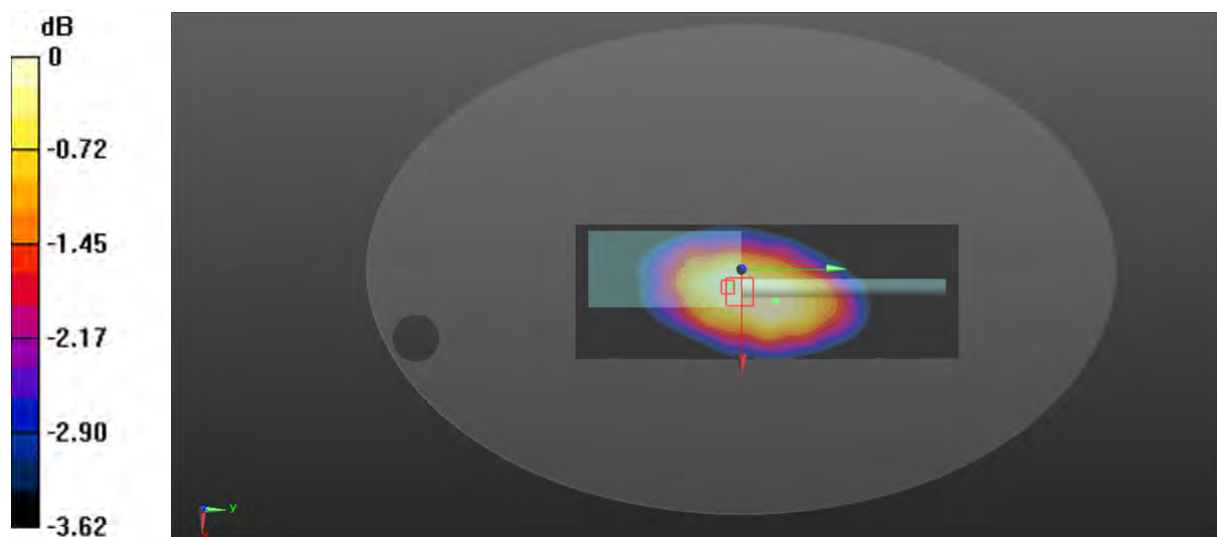
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 62.17 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 5.53 W/kg

SAR(1 g) = 3.79 W/kg; SAR(10 g) = 3.22 W/kg

Maximum value of SAR (measured) = 3.89 W/kg



0 dB = 3.89 W/kg = 5.90 dBW/kg

Test Plot 18#: 4FSK_484.2625MHz _ Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: 4FSK; Frequency: 484.262 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 44.355$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.26 W/kg

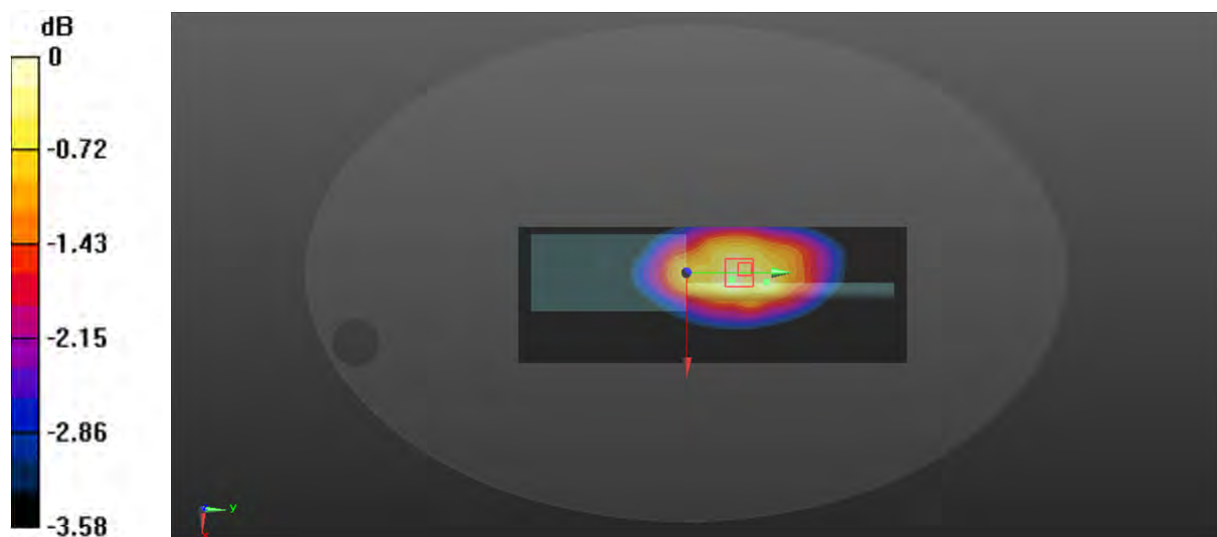
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.62 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 5.40 W/kg

SAR(1 g) = 4.07 W/kg; SAR(10 g) = 3.15 W/kg

Maximum value of SAR (measured) = 4.31 W/kg



0 dB = 4.31 W/kg = 6.34 dBW/kg

Test Plot 19#: FM_12.5kHz_400.0125MHz_Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.832$ S/m; $\epsilon_r = 44.491$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.30 W/kg

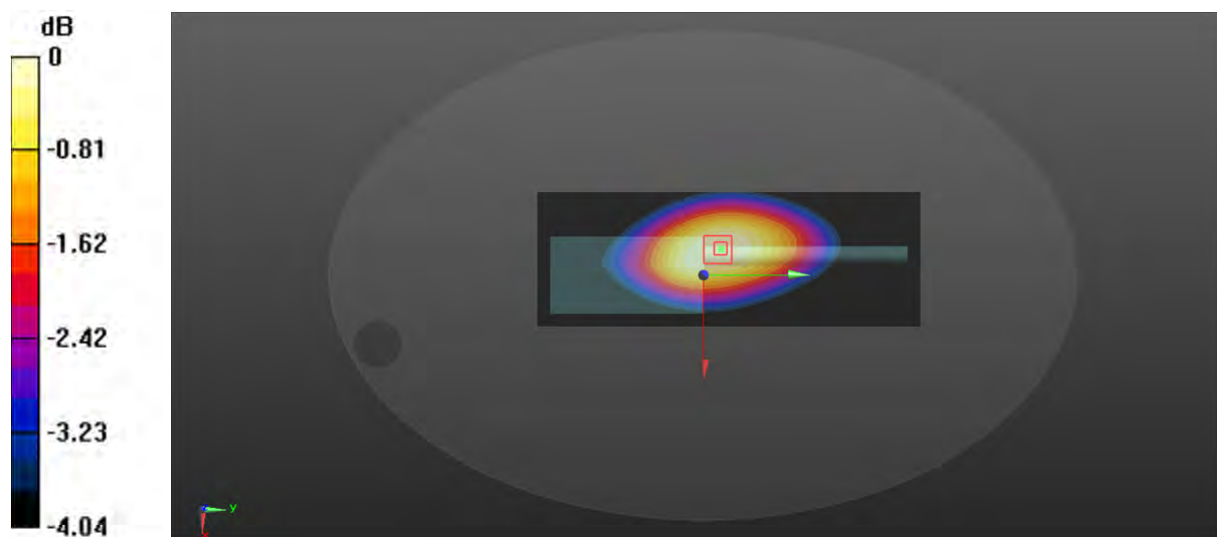
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.06 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 8.86 W/kg; SAR(10 g) = 7.29 W/kg

Maximum value of SAR (measured) = 9.17 W/kg



0 dB = 9.17 W/kg = 9.62 dBW/kg

Test Plot 20#: FM_12.5kHz_417.5125MHz _Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.847$ S/m; $\epsilon_r = 44.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 9.98 W/kg

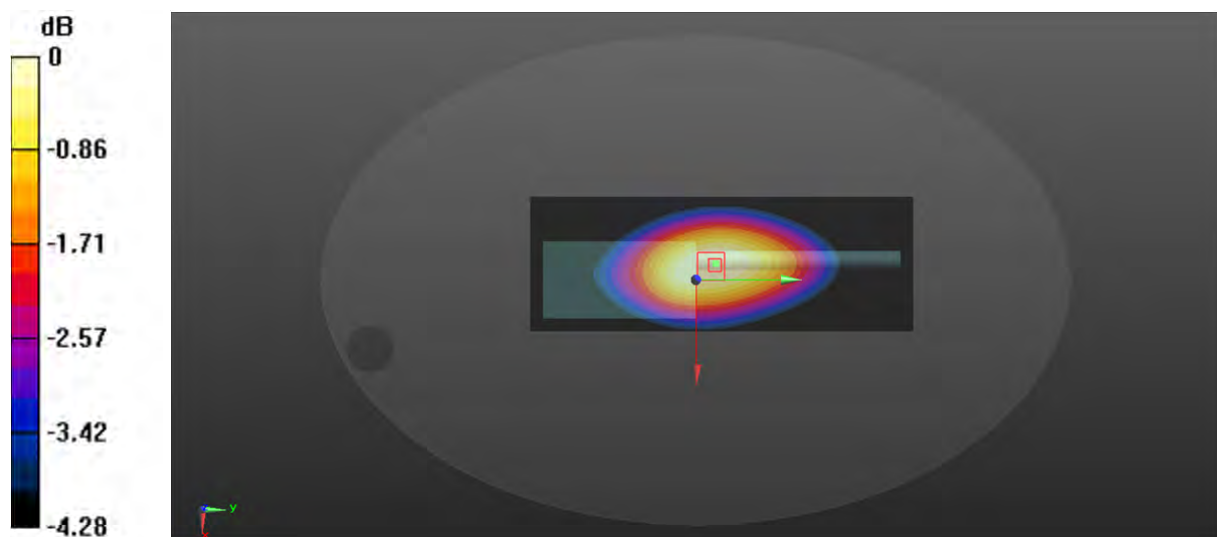
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 102.6 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 9.3 W/kg; SAR(10 g) = 7.57 W/kg

Maximum value of SAR (measured) = 9.65 W/kg



0 dB = 9.65 W/kg = 9.85 dBW/kg

Test Plot 21#: FM_12.5kHz_ 435MHz _Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435$ MHz; $\sigma = 0.854$ S/m; $\epsilon_r = 44.465$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.79 W/kg

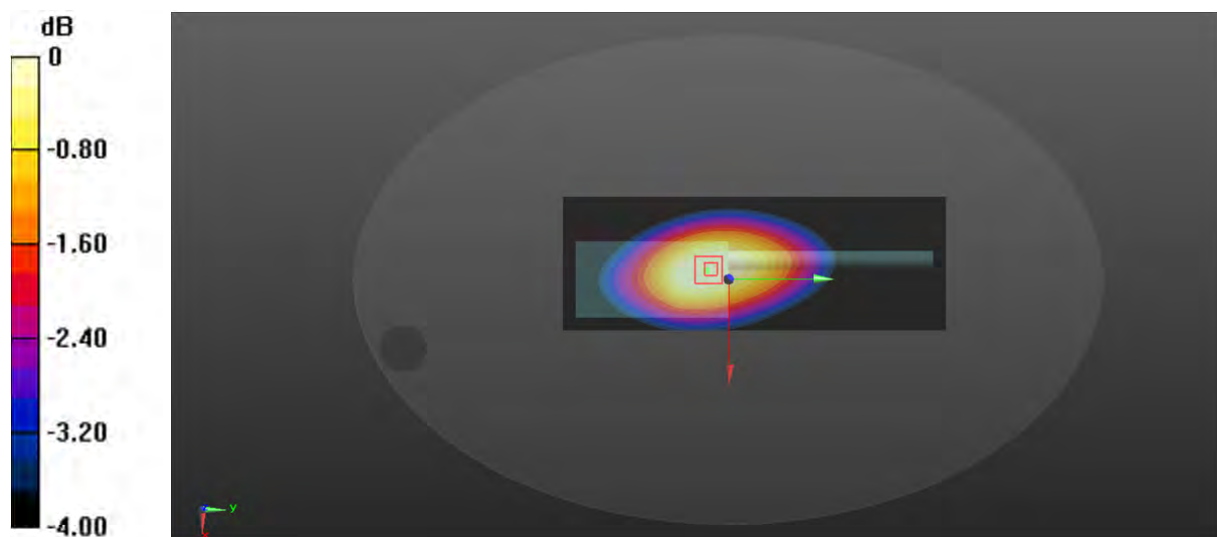
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.77 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 8.3 W/kg; SAR(10 g) = 6.81 W/kg

Maximum value of SAR (measured) = 8.58 W/kg



0 dB = 8.58 W/kg = 9.33 dBW/kg

Test Plot 22#: FM_12.5kHz_ 452.4875MHz _Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 452.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452.488$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 44.398$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 452.488 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.37 W/kg

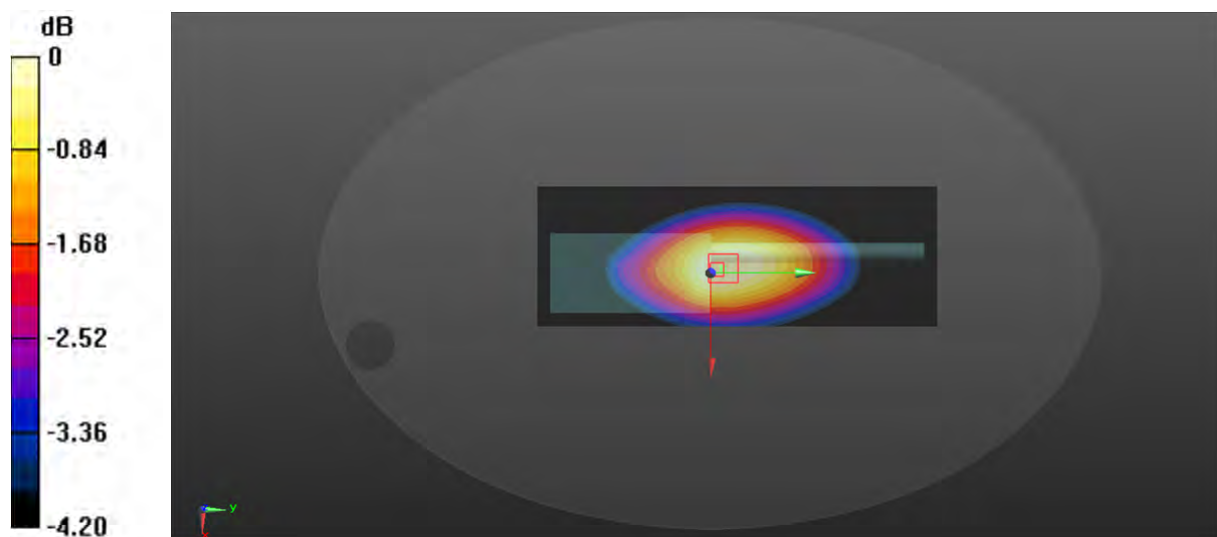
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.89 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 9.82 W/kg

SAR(1 g) = 7.8 W/kg; SAR(10 g) = 6.31 W/kg

Maximum value of SAR (measured) = 8.08 W/kg



0 dB = 8.08 W/kg = 9.07 dBW/kg

Test Plot 23#: FM_12.5kHz_ 469.9875MHz _Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 44.383$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 469.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 8.61 W/kg

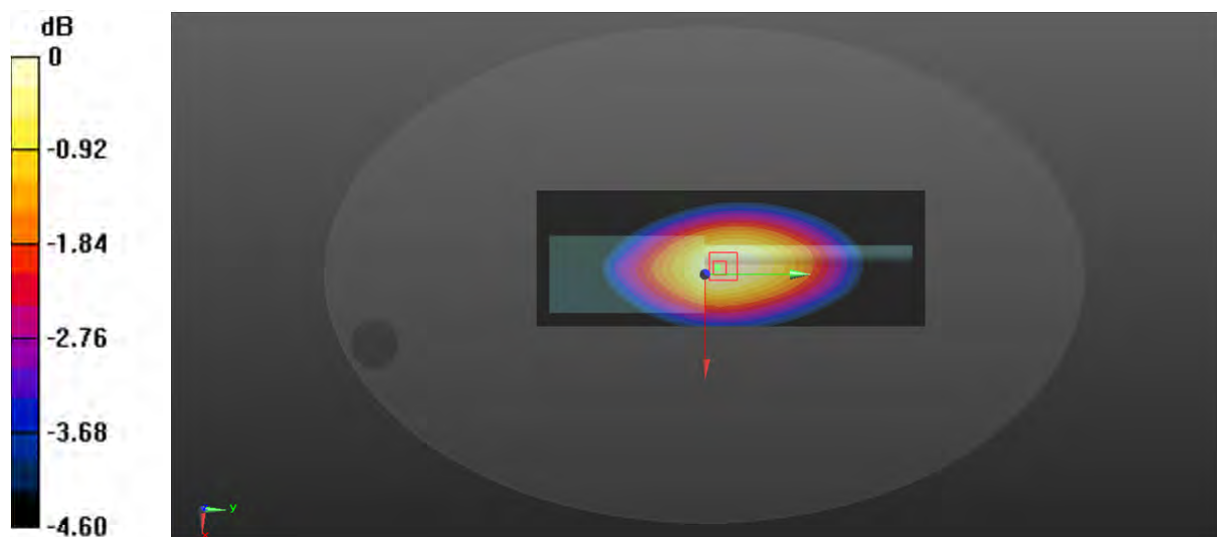
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 94.90 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 10.2 W/kg

SAR(1 g) = 8.05 W/kg; SAR(10 g) = 6.43 W/kg

Maximum value of SAR (measured) = 8.40 W/kg



0 dB = 8.40 W/kg = 9.24 dBW/kg

Test Plot 24#: FM_12.5kHz_ 470.0125MHz _Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 470.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470.012$ MHz; $\sigma = 0.876$ S/m; $\epsilon_r = 44.36$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 470.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.2 W/kg

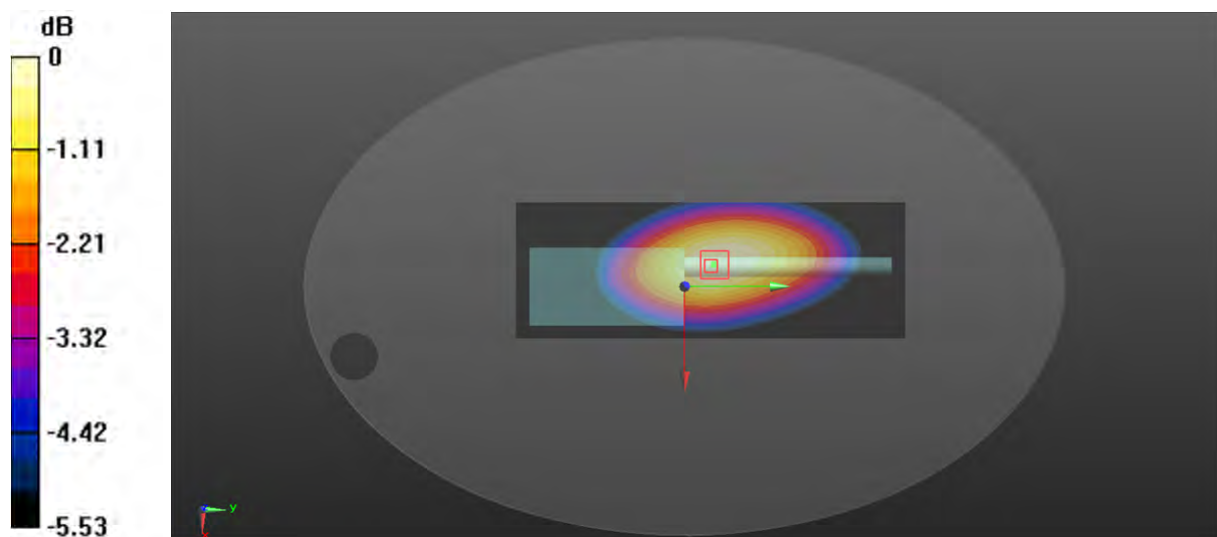
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.26 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 8 W/kg

Maximum value of SAR (measured) = 10.7 W/kg



0 dB = 10.7 W/kg = 10.29 dBW/kg

Test Plot 25#: FM_12.5kHz_ 484.2625MHz_Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 484.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 44.355$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.3 W/kg

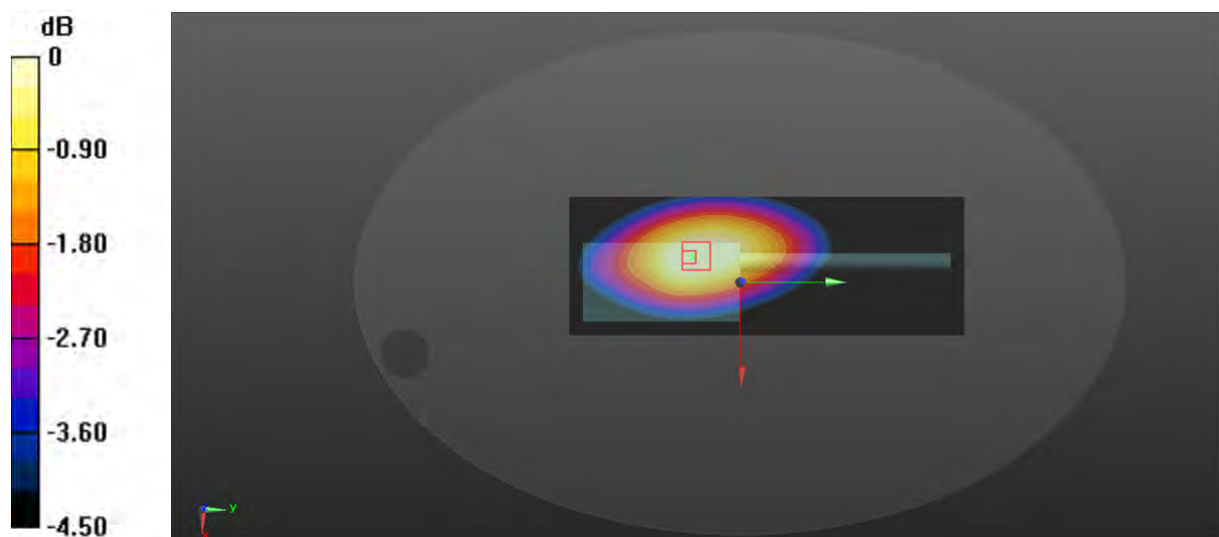
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 91.04 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 10.5 W/kg; SAR(10 g) = 8.43 W/kg

Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.9 W/kg = 10.37 dBW/kg

Test Plot 26#: FM_12.5kHz_ 498.5125MHz _Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 498.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 498.512$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 44.336$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 498.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 9.83 W/kg

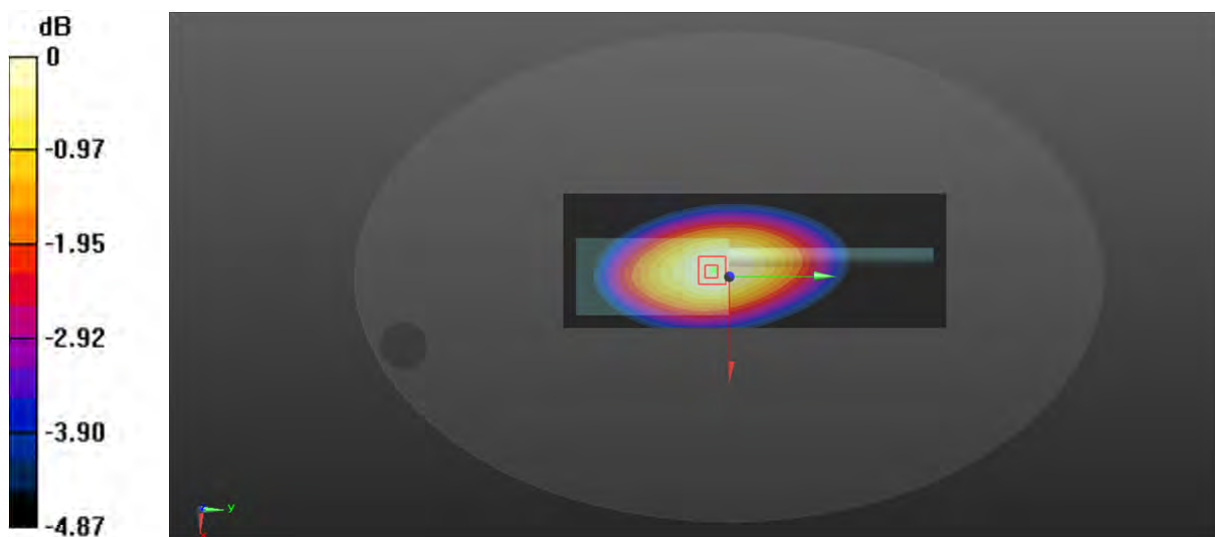
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.6 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 8.76 W/kg; SAR(10 g) = 6.85 W/kg

Maximum value of SAR (measured) = 9.14 W/kg



0 dB = 9.14 W/kg = 9.61 dBW/kg

Test Plot 27#: FM_12.5kHz_512.7375MHz_Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 512.738 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 512.738$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 44.283$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 512.738 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.42 W/kg

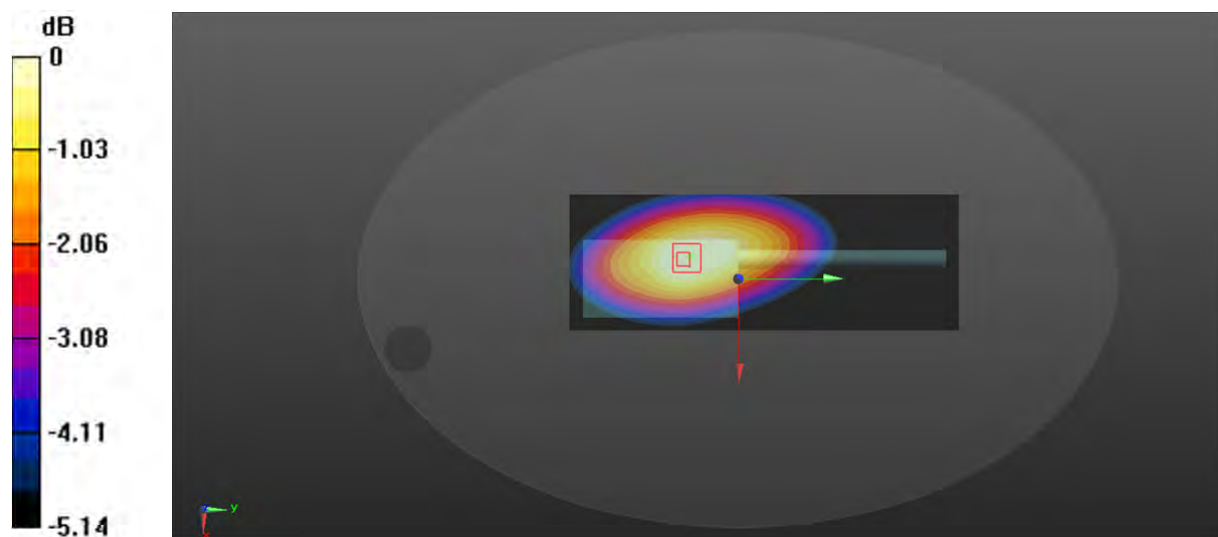
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 74.83 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 8.62 W/kg

SAR(1 g) = 6.73 W/kg; SAR(10 g) = 5.23 W/kg

Maximum value of SAR (measured) = 7.05 W/kg



0 dB = 7.05 W/kg = 8.48 dBW/kg

Test Plot 28#: FM_12.5kHz_ 526.9875MHz _Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 526.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 526.988$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 44.191$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 526.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.84 W/kg

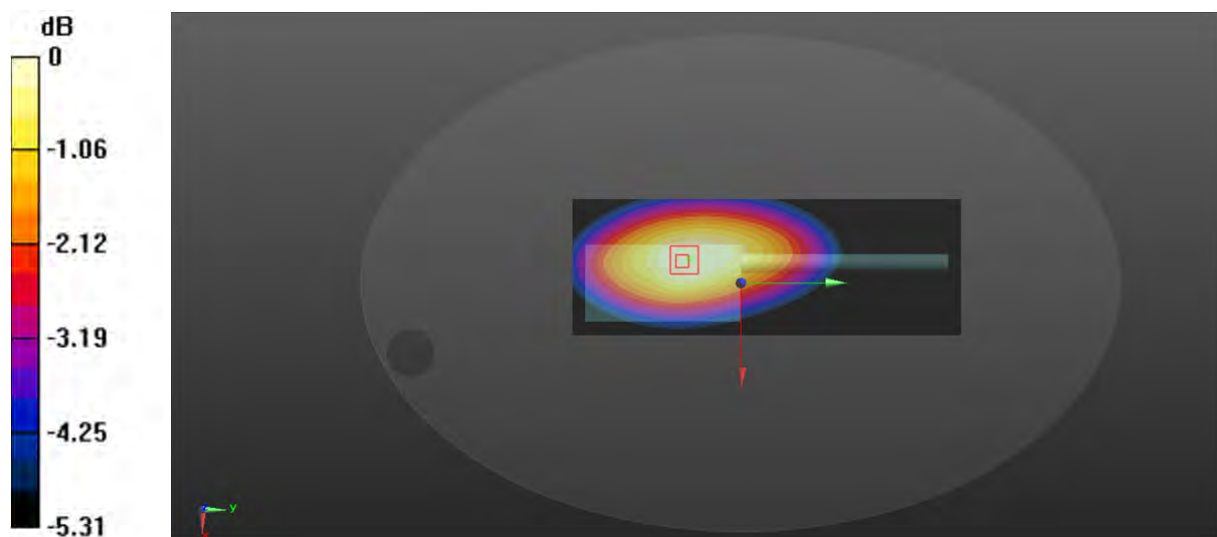
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.93 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 7.96 W/kg

SAR(1 g) = 6.2 W/kg; SAR(10 g) = 4.8 W/kg

Maximum value of SAR (measured) = 6.48 W/kg



0 dB = 6.48 W/kg = 8.12 dBW/kg

Test Plot 29#: FM_25kHz_ 400.0125MHz_Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.832$ S/m; $\epsilon_r = 44.491$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.47 W/kg

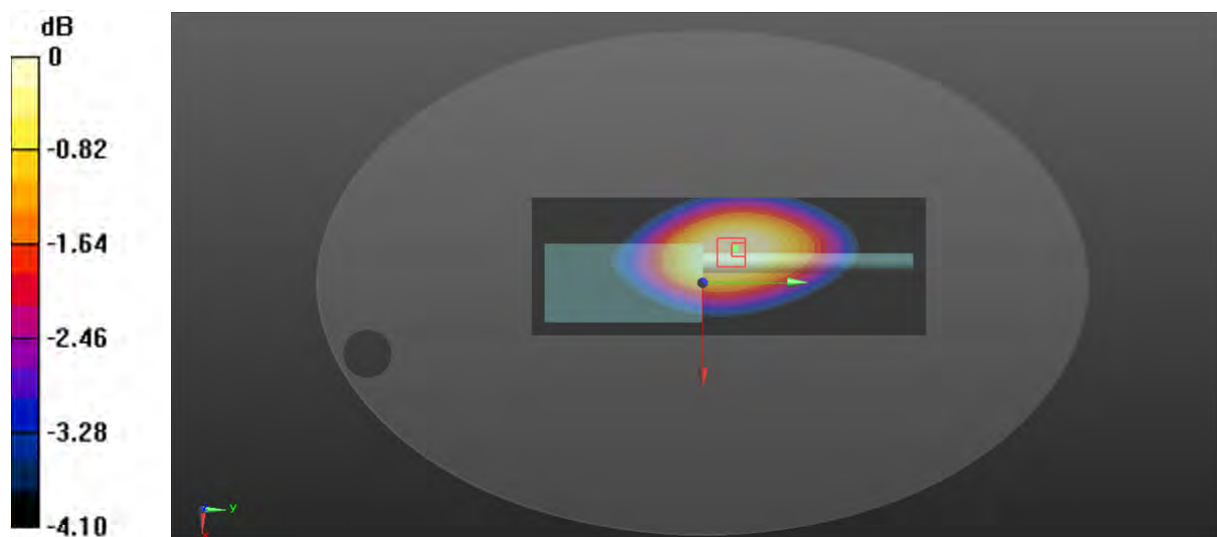
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 91.23 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 8.9 W/kg; SAR(10 g) = 7.36 W/kg

Maximum value of SAR (measured) = 9.18 W/kg



0 dB = 9.18 W/kg = 9.63 dBW/kg

Test Plot 30#: FM_25kHz_ 417.5125MHz _Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.847$ S/m; $\epsilon_r = 44.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.3 W/kg

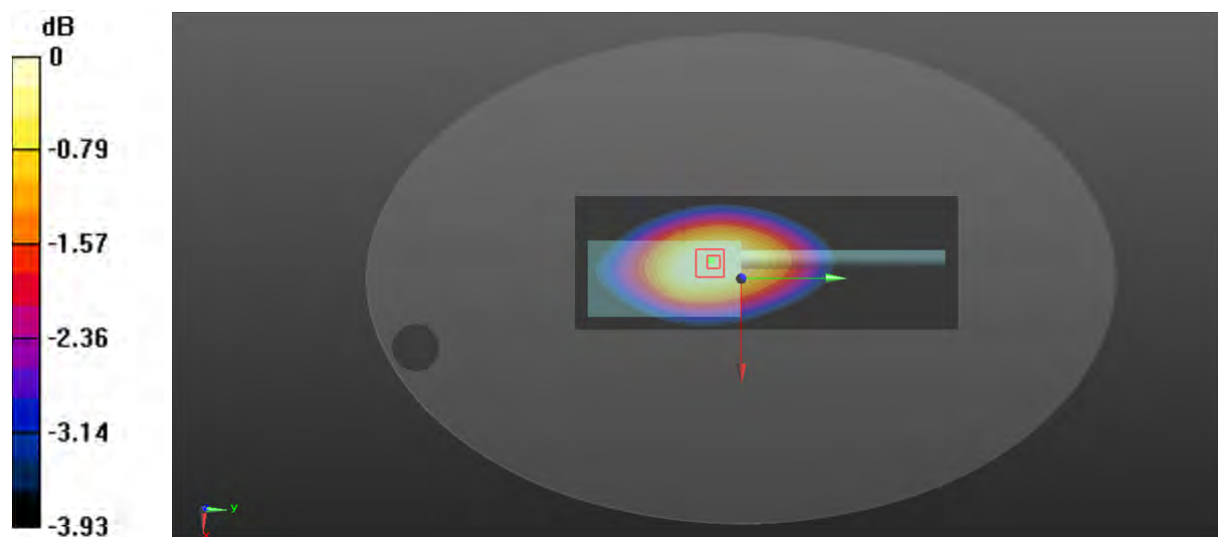
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 100.3 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 9.69 W/kg; SAR(10 g) = 8.04 W/kg

Maximum value of SAR (measured) = 10.0 W/kg



0 dB = 10.0 W/kg = 10.00 dBW/kg

Test Plot 31#: FM_25kHz_ 435MHz _Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435$ MHz; $\sigma = 0.854$ S/m; $\epsilon_r = 44.465$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.20 W/kg

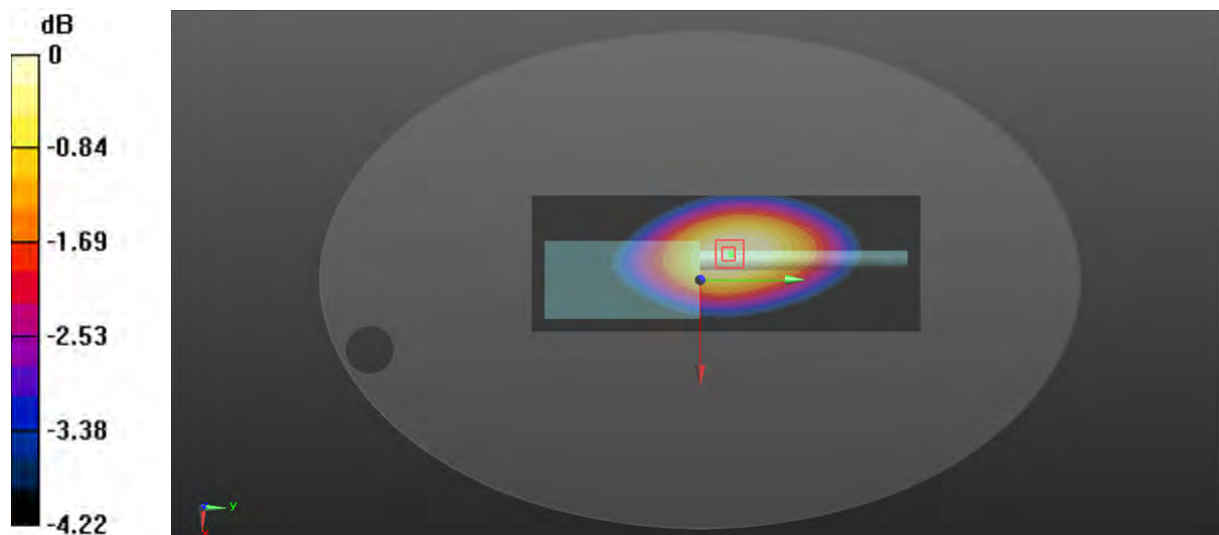
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.32 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 9.50 W/kg

SAR(1 g) = 7.63 W/kg; SAR(10 g) = 6.22 W/kg

Maximum value of SAR (measured) = 7.91 W/kg



0 dB = 7.91 W/kg = 8.98 dBW/kg

Test Plot 32#: FM_25kHz_ 452.4875MHz _Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 452.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452.488$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 44.398$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 452.488 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.25 W/kg

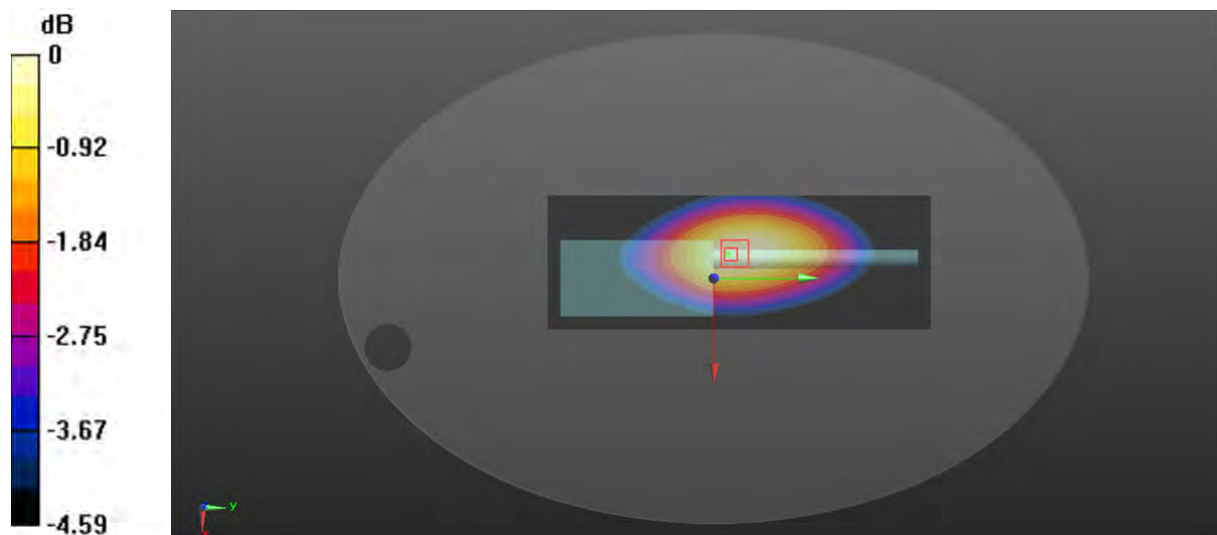
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80.43 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 8.61 W/kg

SAR(1 g) = 6.86 W/kg; SAR(10 g) = 5.53 W/kg

Maximum value of SAR (measured) = 7.14 W/kg



0 dB = 7.14 W/kg = 8.54 dBW/kg

Test Plot 33#: FM_25kHz_ 469.9875MHz _Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 44.383$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 469.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.16 W/kg

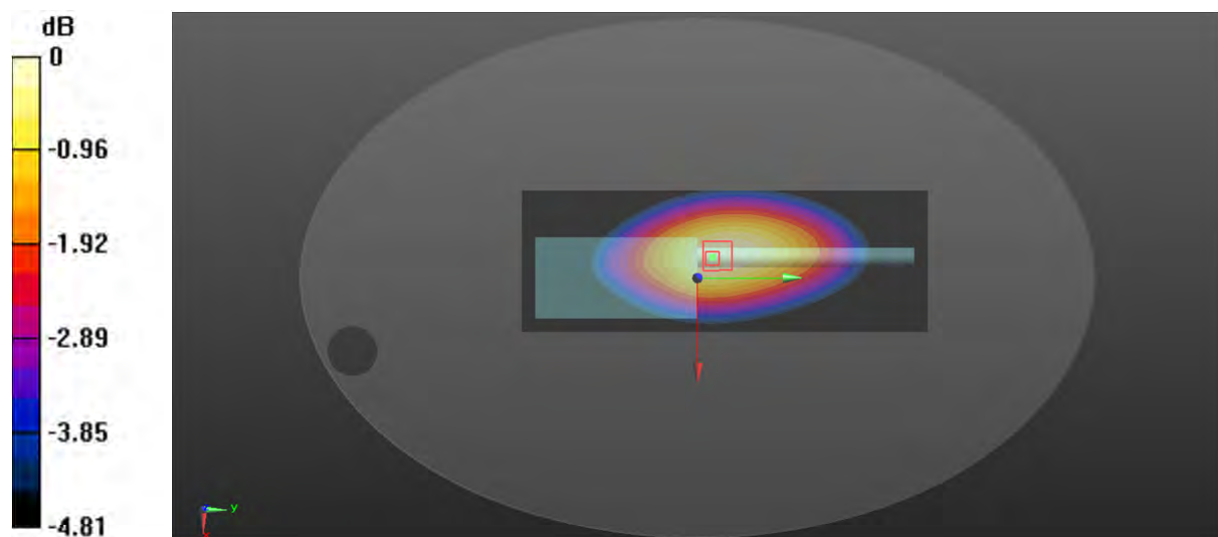
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.62 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 9.72 W/kg

SAR(1 g) = 7.69 W/kg; SAR(10 g) = 6.09 W/kg

Maximum value of SAR (measured) = 8.02 W/kg



0 dB = 8.02 W/kg = 9.04 dBW/kg

Test Plot 34#: FM_25kHz_ 470.0125MHz _Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 470.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470.012$ MHz; $\sigma = 0.876$ S/m; $\epsilon_r = 44.36$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 470.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 10.6 W/kg

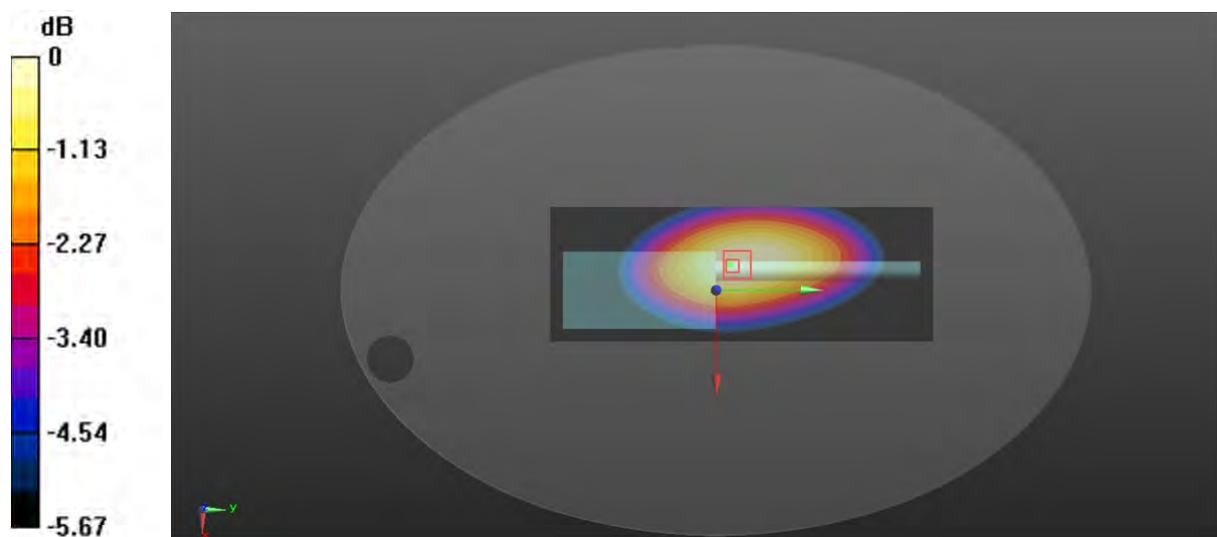
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 95.31 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 9.77 W/kg; SAR(10 g) = 7.64 W/kg

Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 10.2 W/kg = 10.09 dBW/kg

Test Plot 35#: FM_25kHz_ 484.2625MHz z _Body Back _Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 484.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 44.355$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.1 W/kg

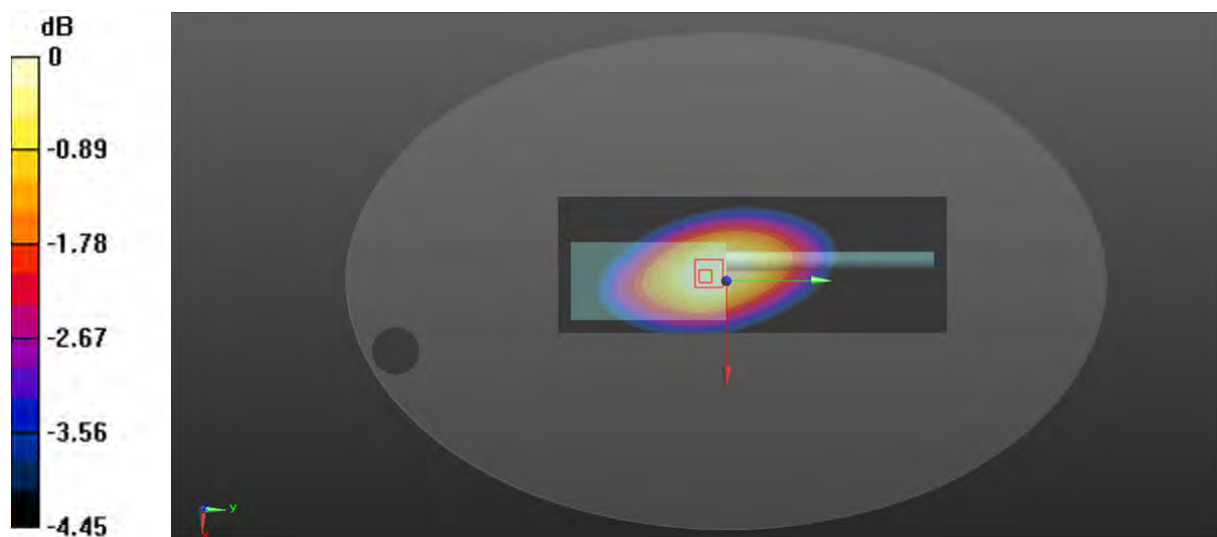
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 107.9 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 10.4 W/kg; SAR(10 g) = 8.32 W/kg

Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.8 W/kg = 10.33 dBW/kg

Test Plot 36#: FM_25kHz_ 498.5125MHz _Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 498.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 498.512$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 43.336$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 498.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.35 W/kg

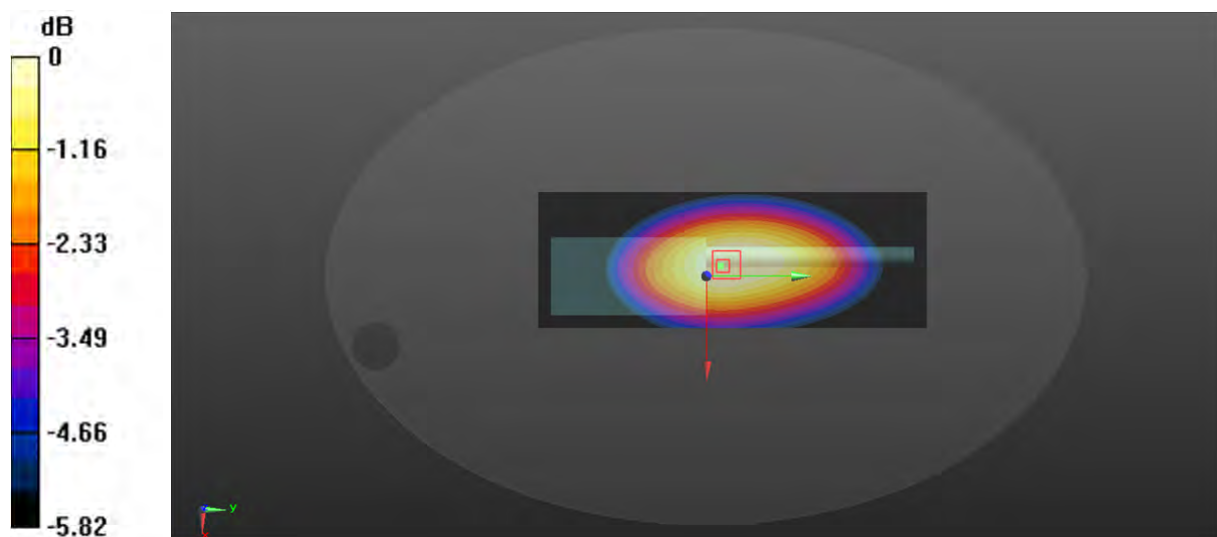
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 99.97 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 8.19 W/kg; SAR(10 g) = 6.35 W/kg

Maximum value of SAR (measured) = 8.62 W/kg



0 dB = 8.62 W/kg = 9.36 dBW/kg

Test Plot 37#: FM_25kHz_512.7375MHz_Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 512.738 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 512.738$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 43.283$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 512.738 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.38 W/kg

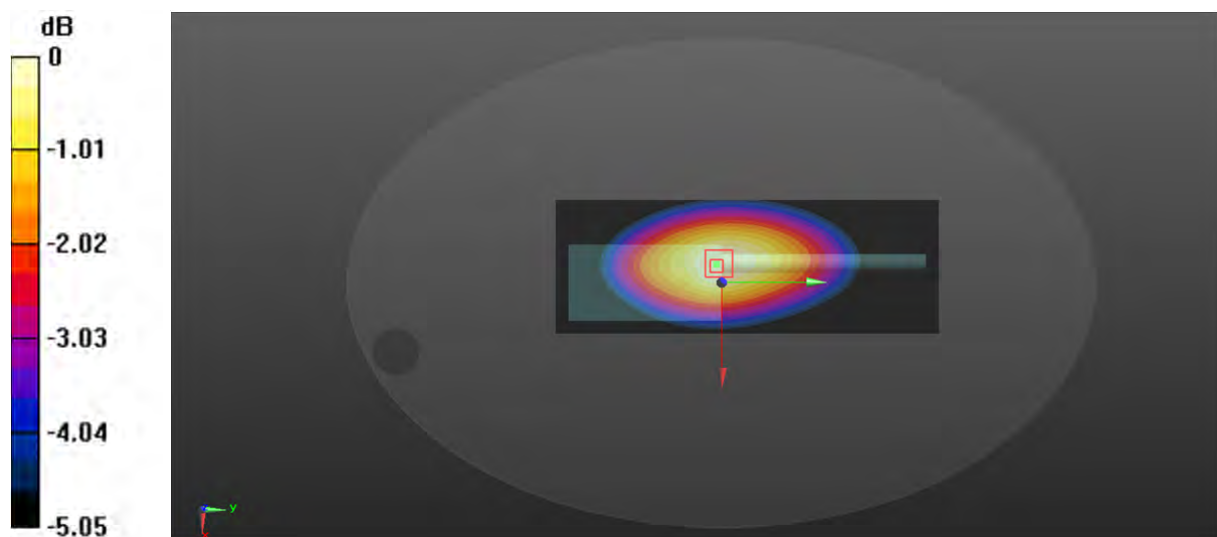
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.07 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 8.67 W/kg

SAR(1 g) = 6.72 W/kg; SAR(10 g) = 5.22 W/kg

Maximum value of SAR (measured) = 7.07 W/kg



0 dB = 7.07 W/kg = 8.49 dBW/kg

Test Plot 38#: FM_25kHz_526.9875MHz_Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: FM; Frequency: 526.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 526.988$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 44.191$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 526.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.95 W/kg

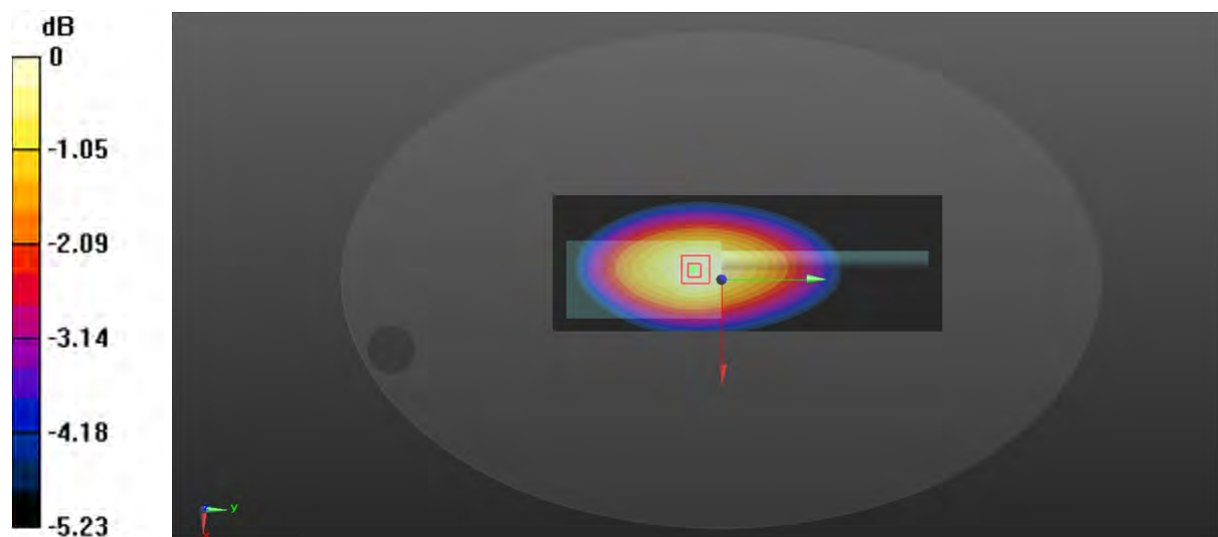
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 76.35 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 7.06 W/kg

SAR(1 g) = 5.46 W/kg; SAR(10 g) = 4.21 W/kg

Maximum value of SAR (measured) = 5.75 W/kg



0 dB = 5.75 W/kg = 7.60 dBW/kg

Test Plot 39#: 4FSK_417.5125MHz_ Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: 4FSK; Frequency: 417.512 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.847$ S/m; $\epsilon_r = 44.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.37 W/kg

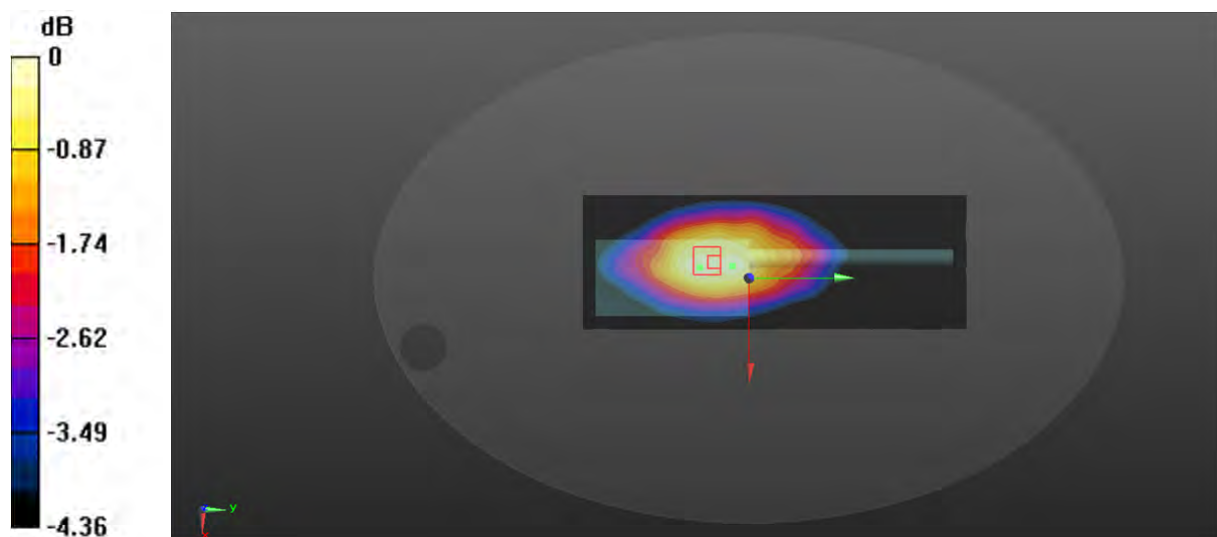
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 71.35 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 6.43 W/kg

SAR(1 g) = 5.14 W/kg; SAR(10 g) = 4.18 W/kg

Maximum value of SAR (measured) = 5.41 W/kg



0 dB = 5.41 W/kg = 7.33 dBW/kg

Test Plot 40#: 4FSK _ 484.262MHz_ Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP682 Um; Serial: DG2210607-21603E-SA-S1**

Communication System: 4FSK; Frequency: 484.262 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 44.355$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.77 W/kg

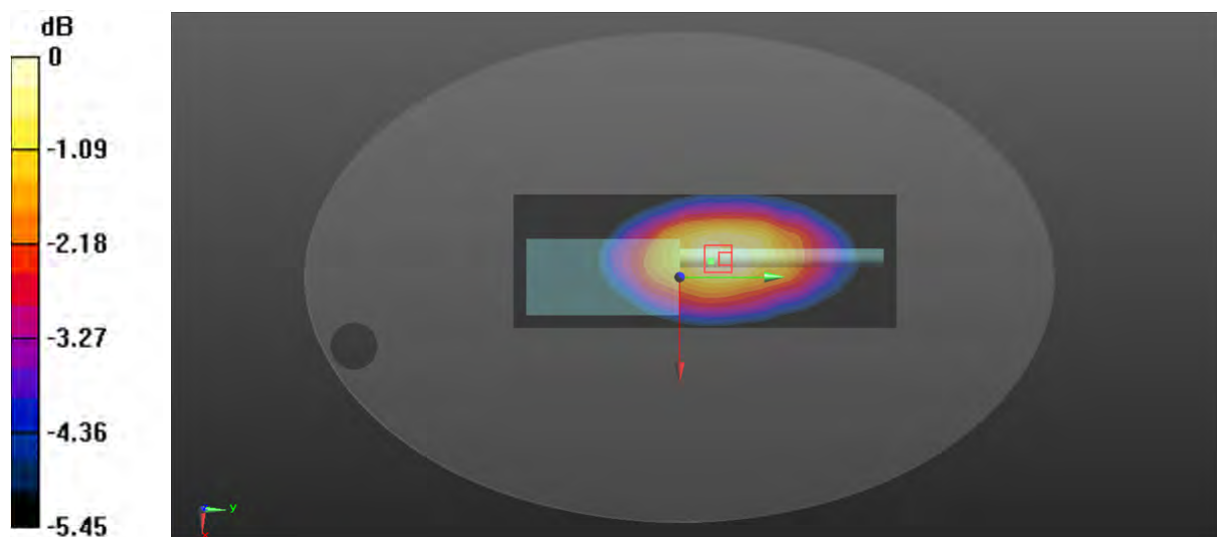
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 64.61 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 6.34 W/kg

SAR(1 g) = 4.5 W/kg; SAR(10 g) = 3.54 W/kg

Maximum value of SAR (measured) = 4.81 W/kg



0 dB = 4.81 W/kg = 6.82 dBW/kg

Test Plot 41#: FM_12.5kHz_417.5125MHz_Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.842$ S/m; $\epsilon_r = 44.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.84 W/kg

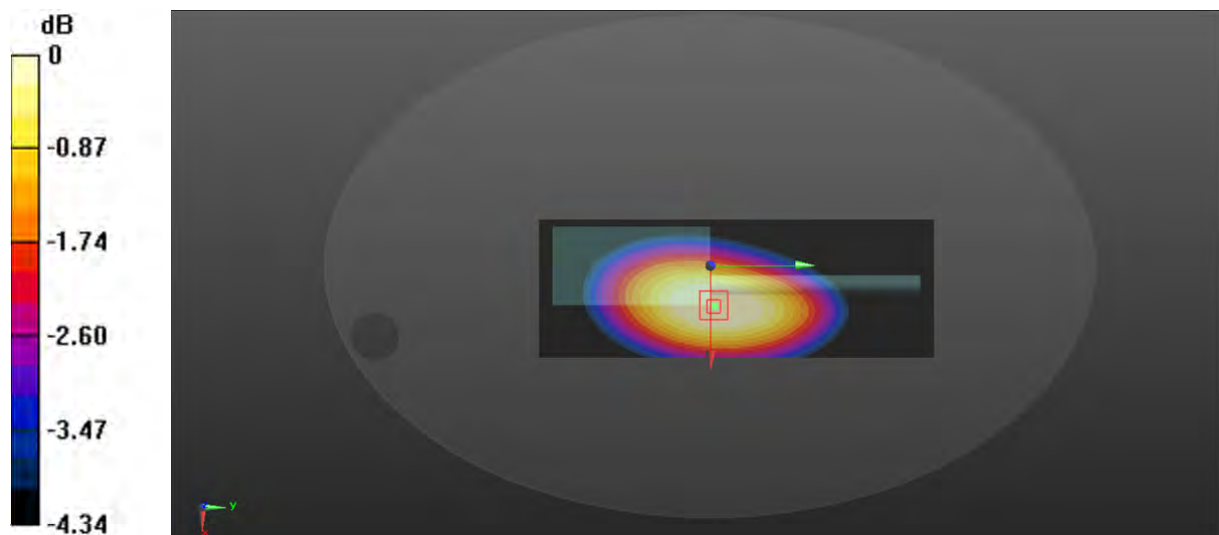
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.91 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.74 W/kg

SAR(1 g) = 6.19 W/kg; SAR(10 g) = 5.01 W/kg

Maximum value of SAR (measured) = 6.43 W/kg



0 dB = 6.43 W/kg = 8.08 dBW/kg

Test Plot 42#: FM_12.5kHz_470.0125MHz_Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 470.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470.012$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 43.639$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 470.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.32 W/kg

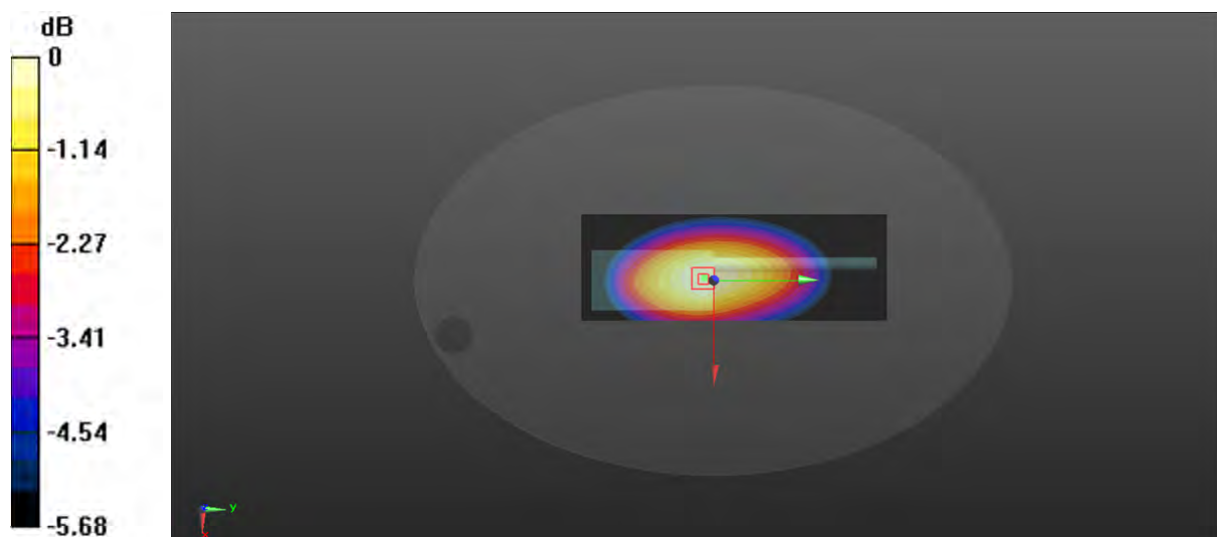
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80.84 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 8.76 W/kg

SAR(1 g) = 7.04 W/kg; SAR(10 g) = 5.58 W/kg

Maximum value of SAR (measured) = 7.30 W/kg



0 dB = 7.30 W/kg = 8.63 dBW/kg

Test Plot 43#: FM_12.5kHz_484.262MHz_Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 484.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 43.555$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 8.12 W/kg

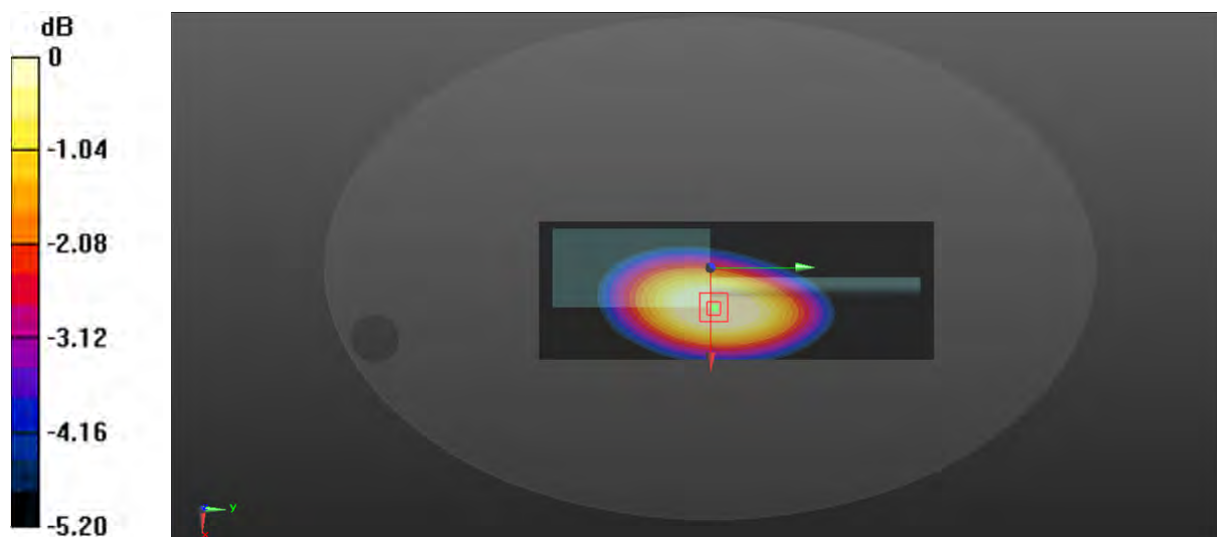
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 81.09 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 9.47 W/kg

SAR(1 g) = 7.59 W/kg; SAR(10 g) = 6.05 W/kg

Maximum value of SAR (measured) = 7.90 W/kg



0 dB = 7.90 W/kg = 8.98 dBW/kg

Test Plot 44#: FM_12.5kHz_ 498.5125MHz_ Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 498.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 498.512$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 43.314$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 498.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 5.60 W/kg

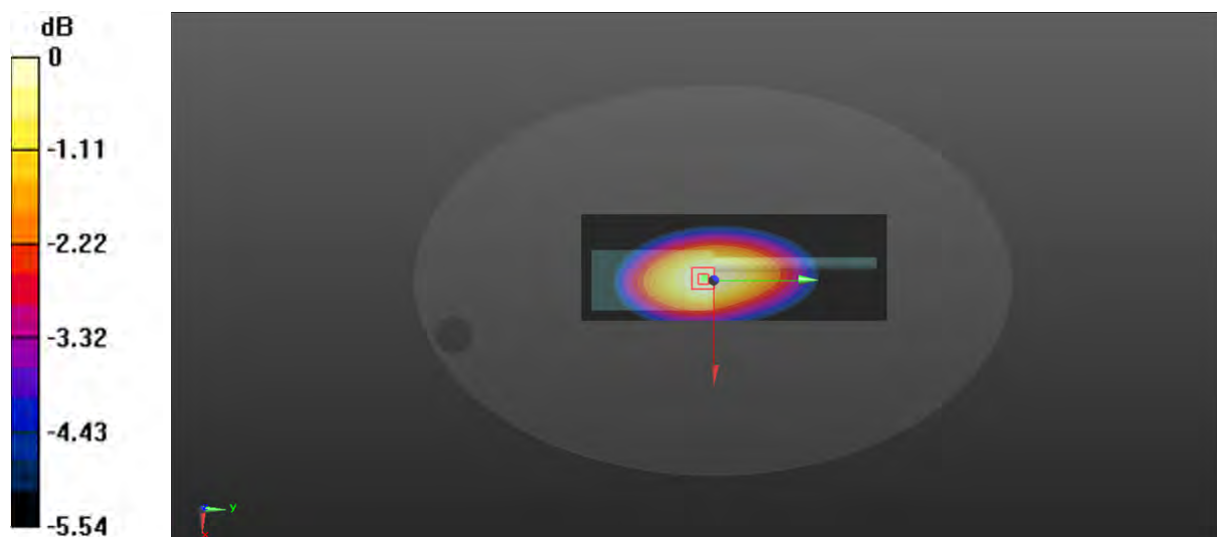
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 70.65 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 6.00 W/kg

SAR(1 g) = 4.88 W/kg; SAR(10 g) = 3.85 W/kg

Maximum value of SAR (measured) = 5.09 W/kg



0 dB = 5.09 W/kg = 7.07 dBW/kg

Test Plot 45#: FM_12.5kHz_ 512.7375MHz_ Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

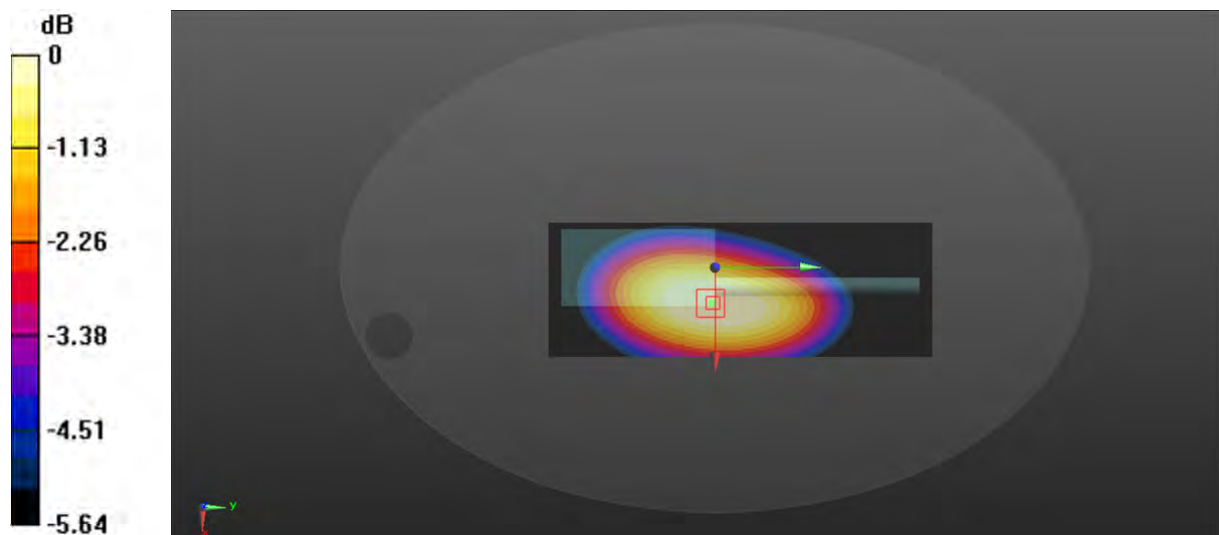
Communication System: FM; Frequency: 512.737 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 512.737 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 43.165$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 512.737 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.71 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 61.07 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 5.29 W/kg **SAR(1 g) = 4.22 W/kg ; SAR(10 g) = 3.3 W/kg** Maximum value of SAR (measured) = 4.42 W/kg 0 dB = 4.42 W/kg = 6.45 dBW/kg

Test Plot 46#: FM_12.5kHz_ 526.9875MHz_ Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 526.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 526.988$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 43.118$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 526.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 4.26 W/kg

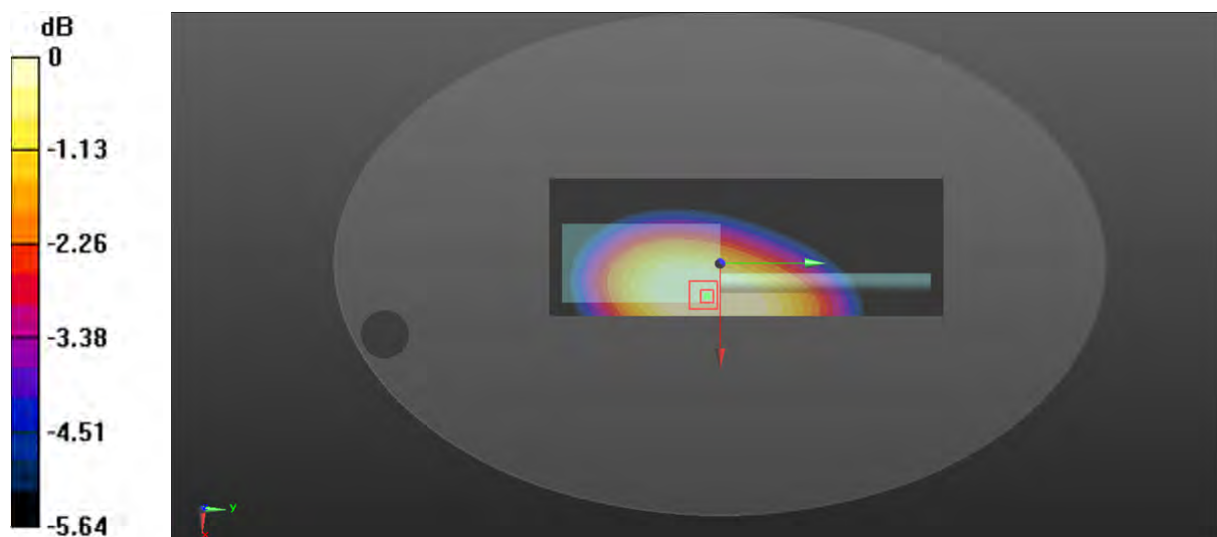
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 58.97 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.59 W/kg

SAR(1 g) = 3.74 W/kg; SAR(10 g) = 2.96 W/kg

Maximum value of SAR (measured) = 3.91 W/kg



0 dB = 3.91 W/kg = 5.92 dBW/kg

Test Plot 47#: FM_25kHz_ 417.5125MHz_Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.842$ S/m; $\epsilon_r = 44.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.74 W/kg

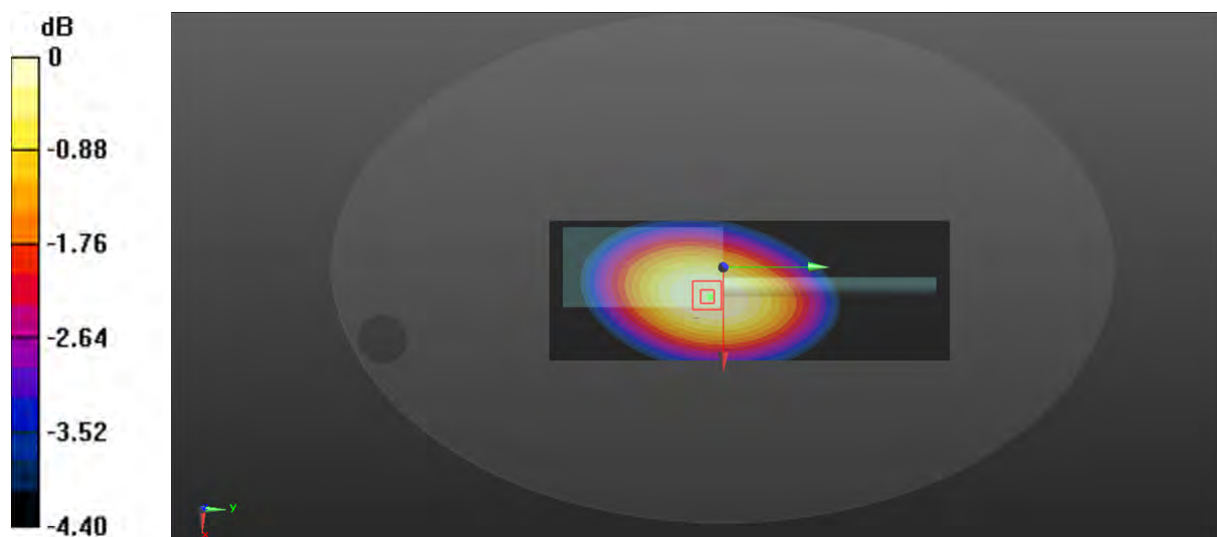
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 77.90 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 7.72 W/kg

SAR(1 g) = 6.24 W/kg; SAR(10 g) = 5.12 W/kg

Maximum value of SAR (measured) = 6.47 W/kg



0 dB = 6.47 W/kg = 8.11 dBW/kg

Test Plot 48#: FM_25kHz_ 470.0125MHz _ Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 470.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470.012$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 43.639$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 470.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.79 W/kg

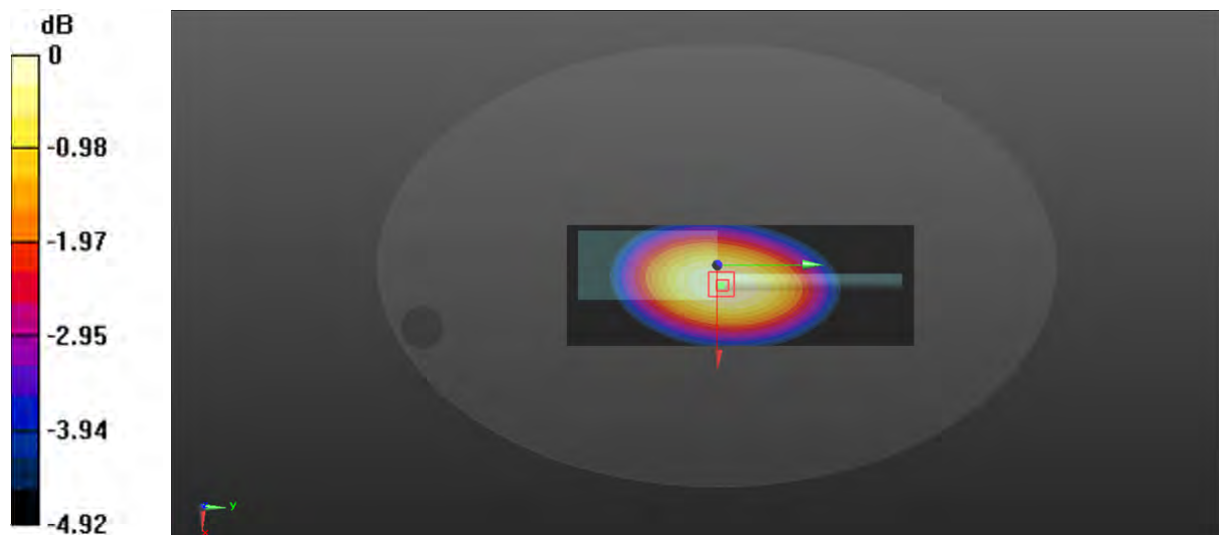
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.95 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 7.91 W/kg

SAR(1 g) = 6.4 W/kg; SAR(10 g) = 5.15 W/kg

Maximum value of SAR (measured) = 6.66 W/kg



0 dB = 6.66 W/kg = 8.23 dBW/kg

Test Plot 49#: FM_25kHz_ 484.2625MHz_ Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 484.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 43.555$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.98 W/kg

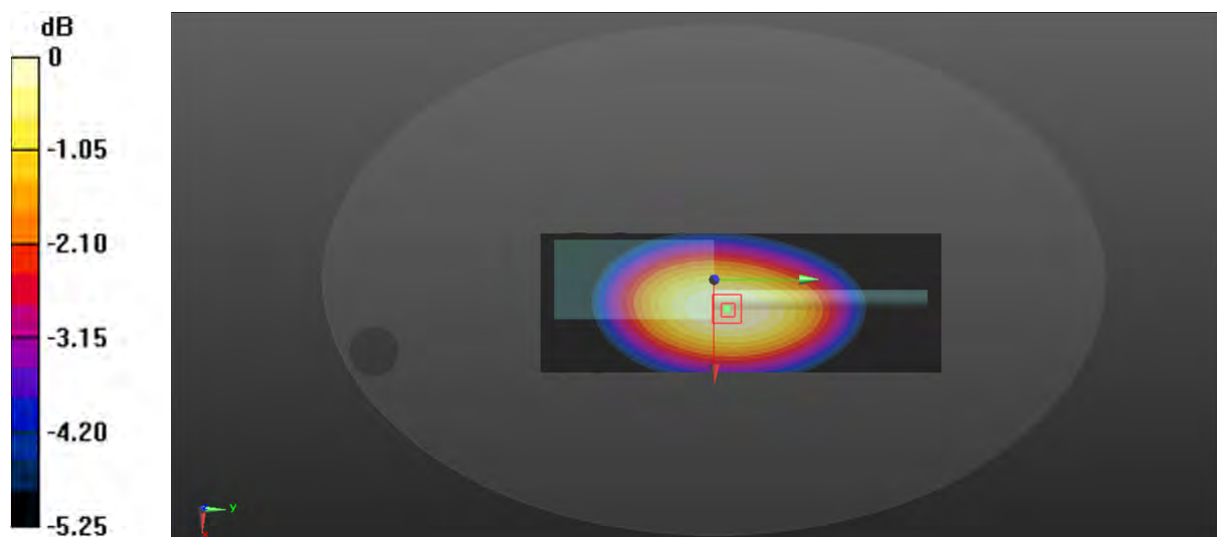
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.14 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 9.30 W/kg

SAR(1 g) = 7.48 W/kg; SAR(10 g) = 5.59 W/kg

Maximum value of SAR (measured) = 7.80 W/kg



0 dB = 7.80 W/kg = 8.92 dBW/kg

Test Plot 50#: FM_25kHz_ 498.5125MHz_ Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 498.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 498.512$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 43.314$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 498.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.99 W/kg

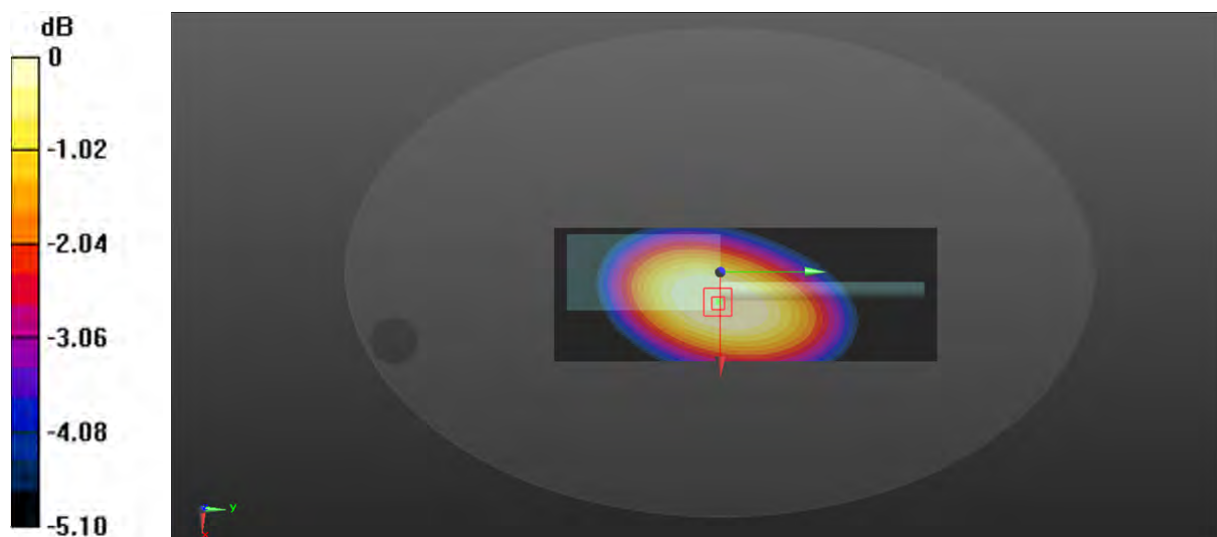
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.35 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 5.57 W/kg

SAR(1 g) = 4.49 W/kg; SAR(10 g) = 3.58 W/kg

Maximum value of SAR (measured) = 4.68 W/kg



0 dB = 4.68 W/kg = 6.70 dBW/kg

Test Plot 51#: FM_25kHz_ 512.7375MHz_ Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 512.738 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 512.738$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 43.165$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 512.738 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.51 W/kg

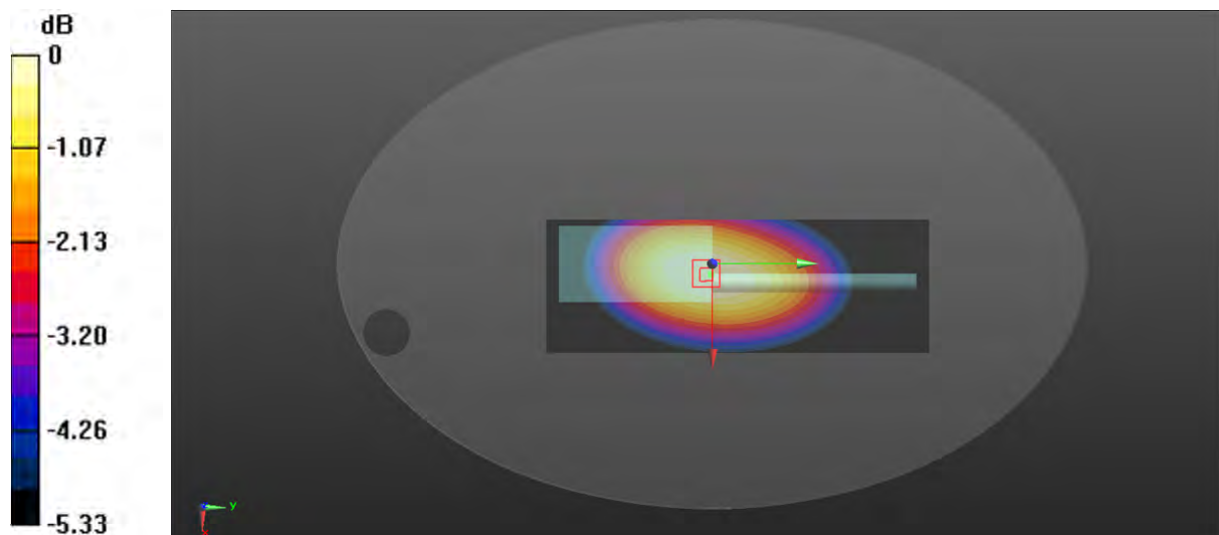
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 62.43 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 4.01 W/kg

SAR(1 g) = 3.23 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 3.37 W/kg



0 dB = 3.37 W/kg = 5.28 dBW/kg

Test Plot 52#: FM_25kHz_526.9875MHz_Face Up_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 526.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 526.988$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 43.118$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 526.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.81 W/kg

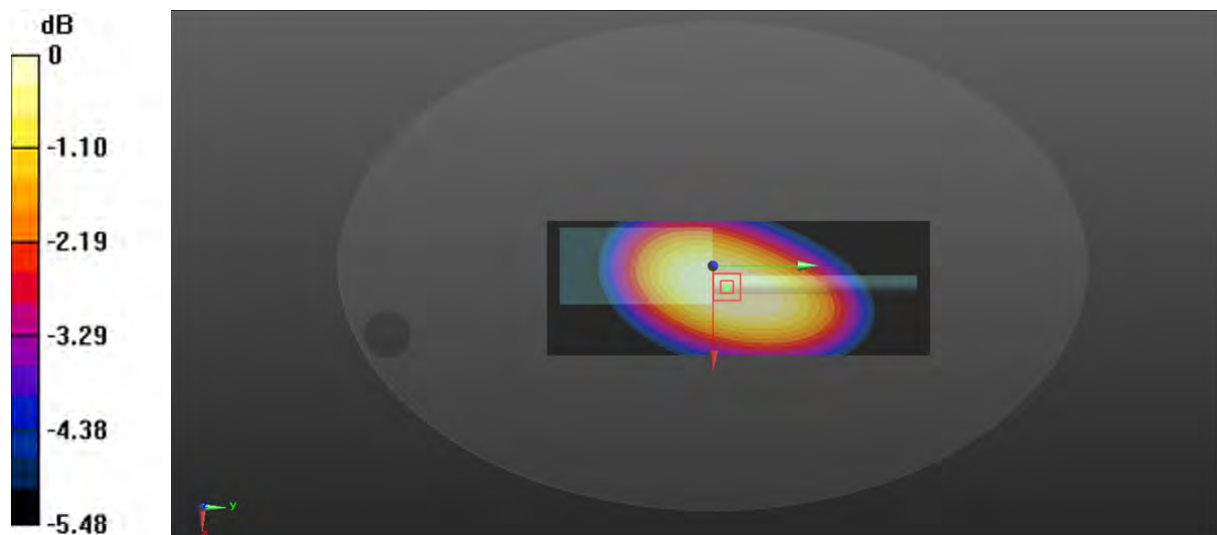
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.34 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 2.55 W/kg; SAR(10 g) = 2.01 W/kg

Maximum value of SAR (measured) = 2.67 W/kg



0 dB = 2.67 W/kg = 4.27 dBW/kg

Test Plot 53#: 4FSK_417.5125MHz_Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: 4FSK; Frequency: 417.512 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.842$ S/m; $\epsilon_r = 44.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.81 W/kg

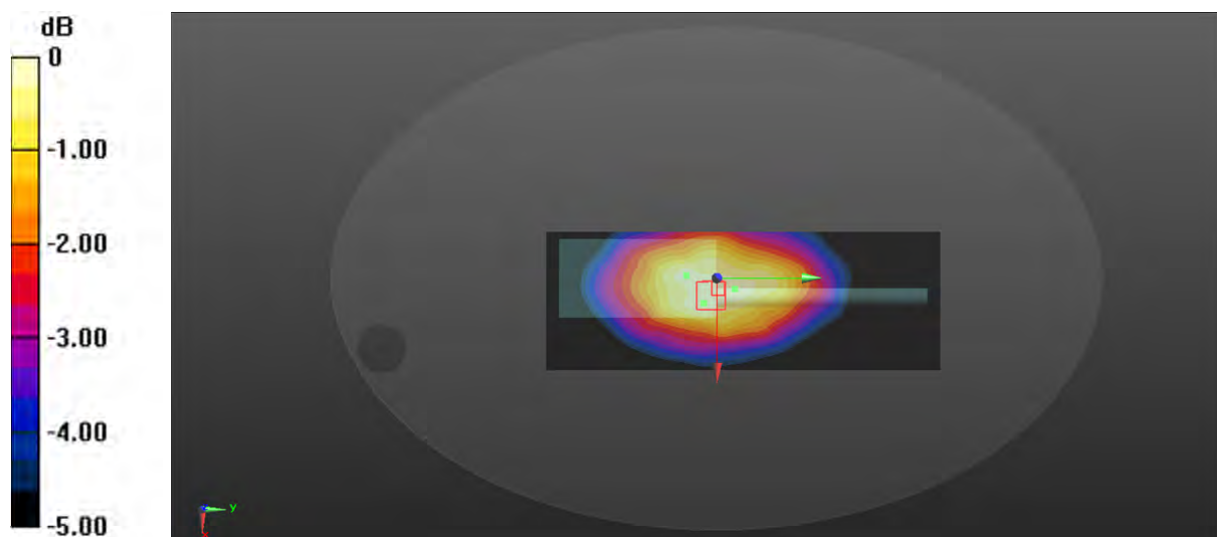
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.02 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.88 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 3 W/kg

Maximum value of SAR (measured) = 3.85 W/kg



0 dB = 3.85 W/kg = 5.85 dBW/kg

Test Plot 54#: 4FSK_484.2625MHz _ Face Up_Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: 4FSK; Frequency: 484.262 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 43.555$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.01 W/kg

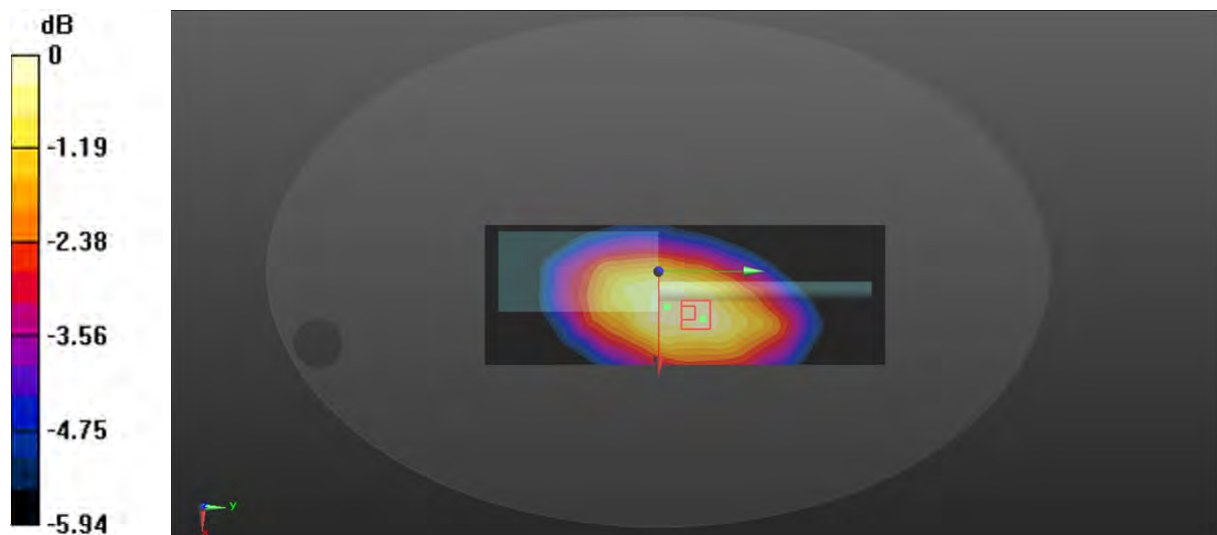
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.08 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.46 W/kg

SAR(1 g) = 3.8 W/kg; SAR(10 g) = 2.97 W/kg

Maximum value of SAR (measured) = 4.07 W/kg



0 dB = 4.07 W/kg = 6.10 dBW/kg

Test Plot 55#: FM_12.5kHz_400.0125MHz_Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.834$ S/m; $\epsilon_r = 44.434$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.99 W/kg

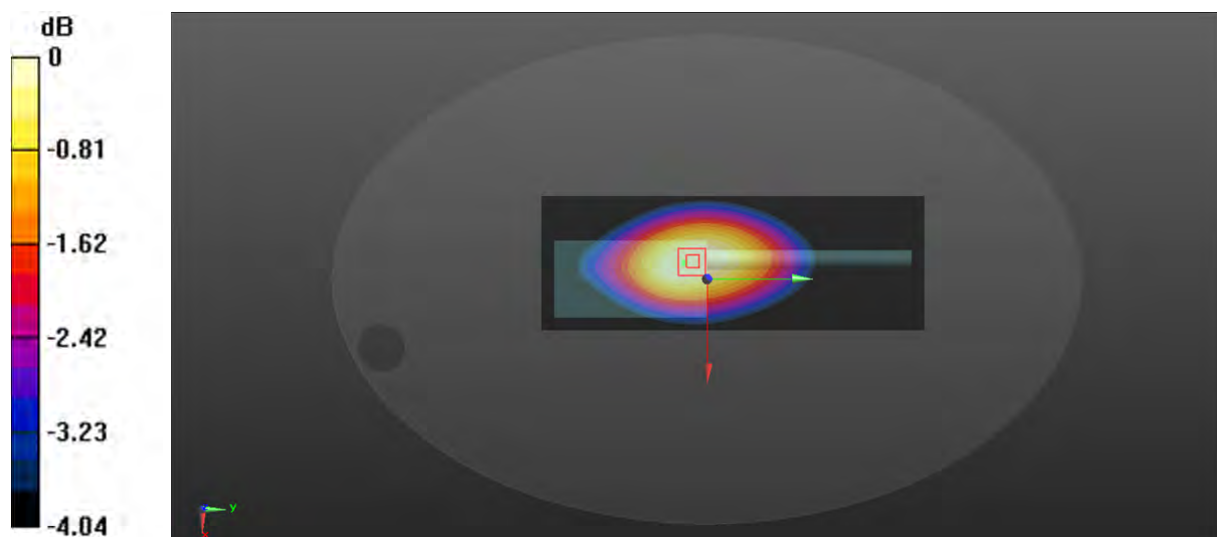
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.29 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 8.53 W/kg; SAR(10 g) = 7.16 W/kg

Maximum value of SAR (measured) = 8.80 W/kg



0 dB = 8.80 W/kg = 9.44 dBW/kg

Test Plot 56#: FM_12.5kHz_417.5125MHz _Body Back _Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.842$ S/m; $\epsilon_r = 44.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.4 W/kg

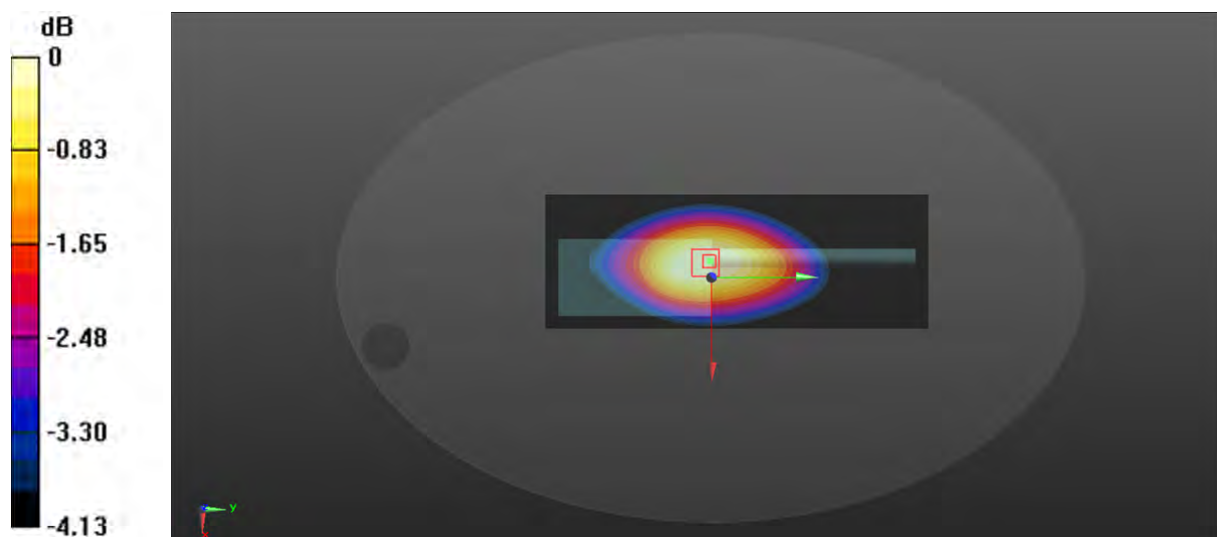
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 105.3 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 9.83 W/kg; SAR(10 g) = 8.17 W/kg

Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 10.2 W/kg = 10.09 dBW/kg

Test Plot57 #: FM_12.5kHz_435MHz _Body Back _Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435$ MHz; $\sigma = 0.849$ S/m; $\epsilon_r = 44.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 9.51 W/kg

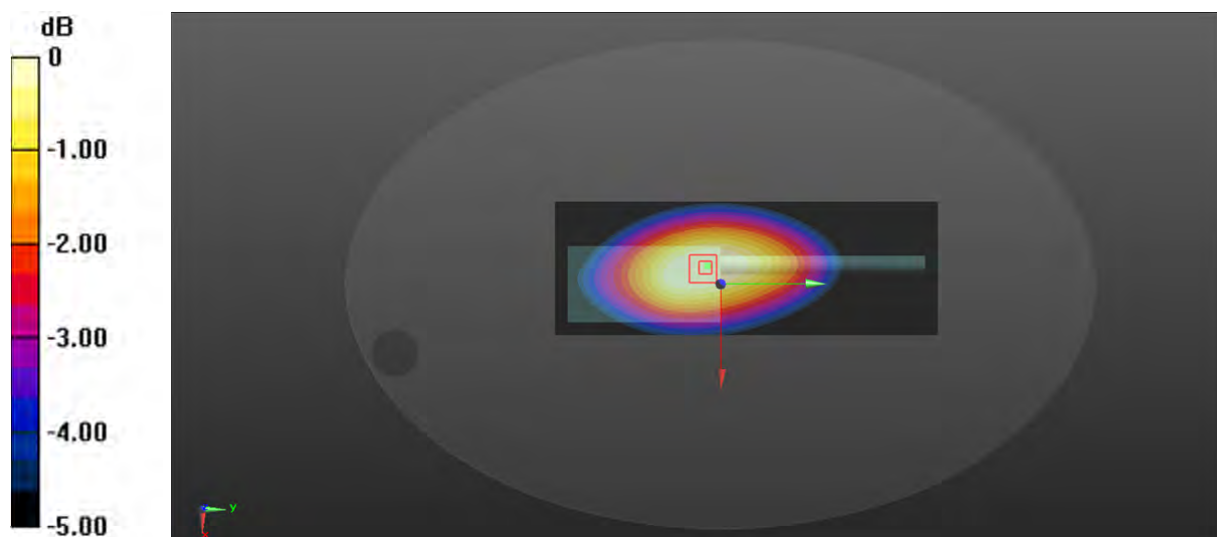
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 95.12 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 8.69 W/kg; SAR(10 g) = 6.95 W/kg

Maximum value of SAR (measured) = 9.05 W/kg



0 dB = 9.05 W/kg = 9.57 dBW/kg

Test Plot 58#: FM_12.5kHz_452.4875MHz _ Body Back _Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 452.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452.488$ MHz; $\sigma = 0.866$ S/m; $\epsilon_r = 43.878$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 452.488 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.47 W/kg

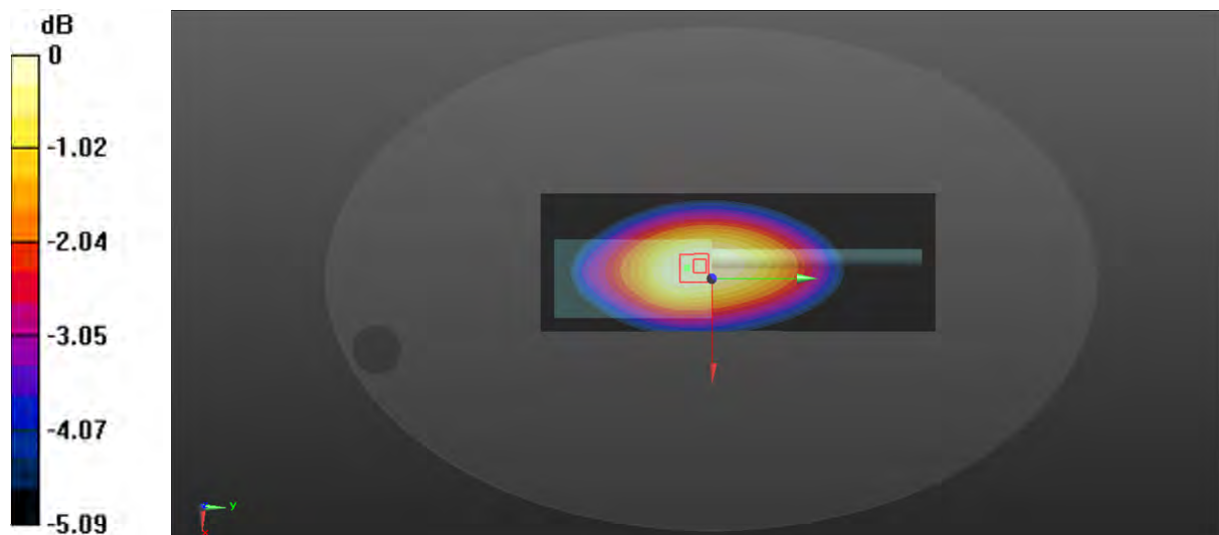
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.47 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 9.84 W/kg

SAR(1 g) = 7.88 W/kg; SAR(10 g) = 6.3 W/kg

Maximum value of SAR (measured) = 8.19 W/kg



0 dB = 8.19 W/kg = 9.13 dBW/kg

Test Plot 59#: FM_12.5kHz_469.9875MHz _Body Back _Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 43.672$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 469.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.67 W/kg

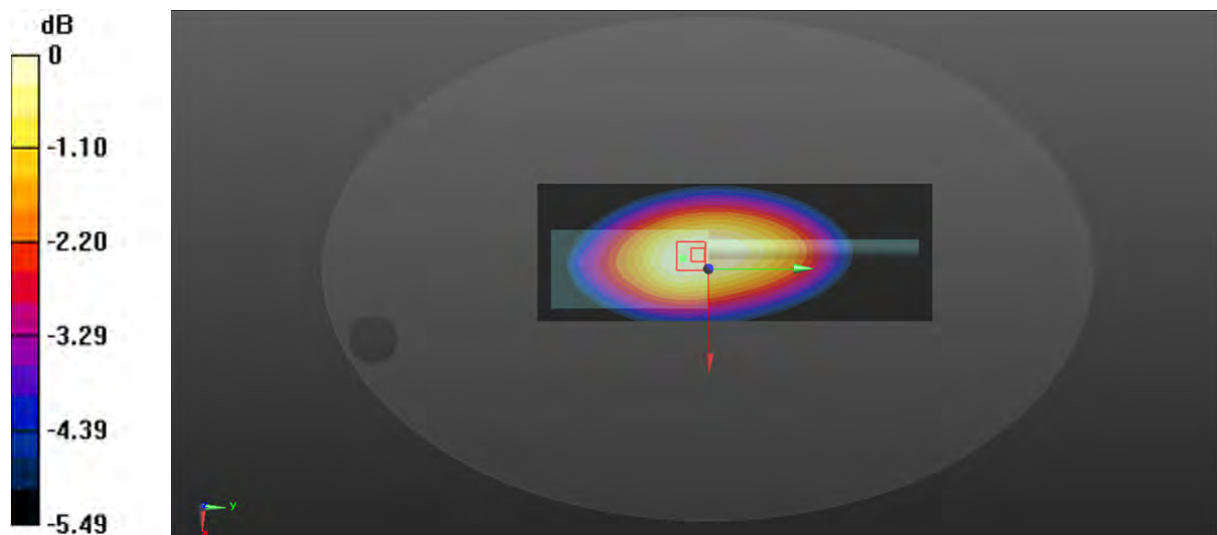
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 93.00 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 8.07 W/kg; SAR(10 g) = 6.35 W/kg

Maximum value of SAR (measured) = 8.38 W/kg



0 dB = 8.38 W/kg = 9.23 dBW/kg

Test Plot 60#: FM_12.5kHz_ 470.0125MHz _ Body Back _Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um ; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 470.012 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 470.012$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 43.639$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 470.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.6 W/kg

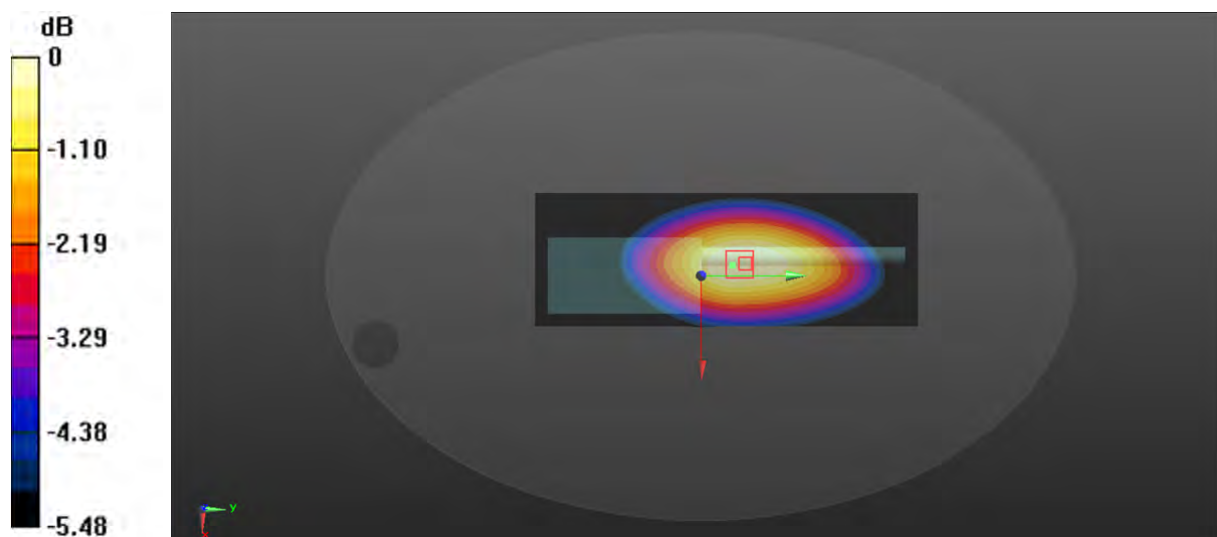
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.49 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 9.79 W/kg; SAR(10 g) = 7.76 W/kg

Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 10.2 W/kg = 10.09 dBW/kg

Test Plot 61#: FM_12.5kHz_ 484.2625MHz _ Body Back _Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um ; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 484.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 43.555$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 11.5 W/kg

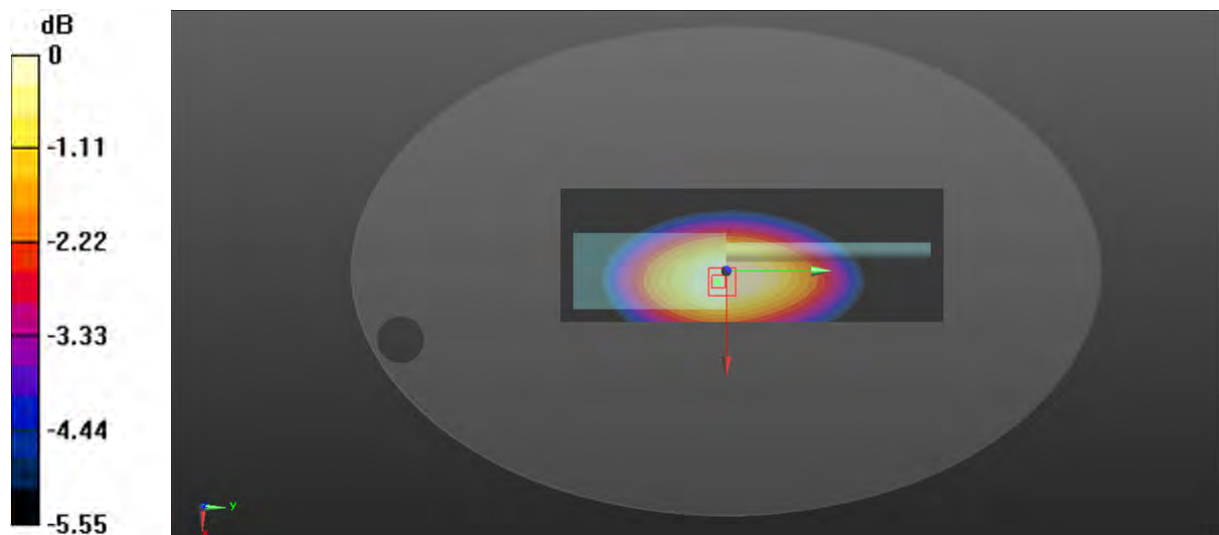
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 110.7 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 8.04 W/kg

Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.8 W/kg = 10.33 dBW/kg

Test Plot 62#: FM_12.5kHz_ 498.5125MHz_ Body Back _Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um ; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 498.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 498.512$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 43.314$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 498.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.75 W/kg

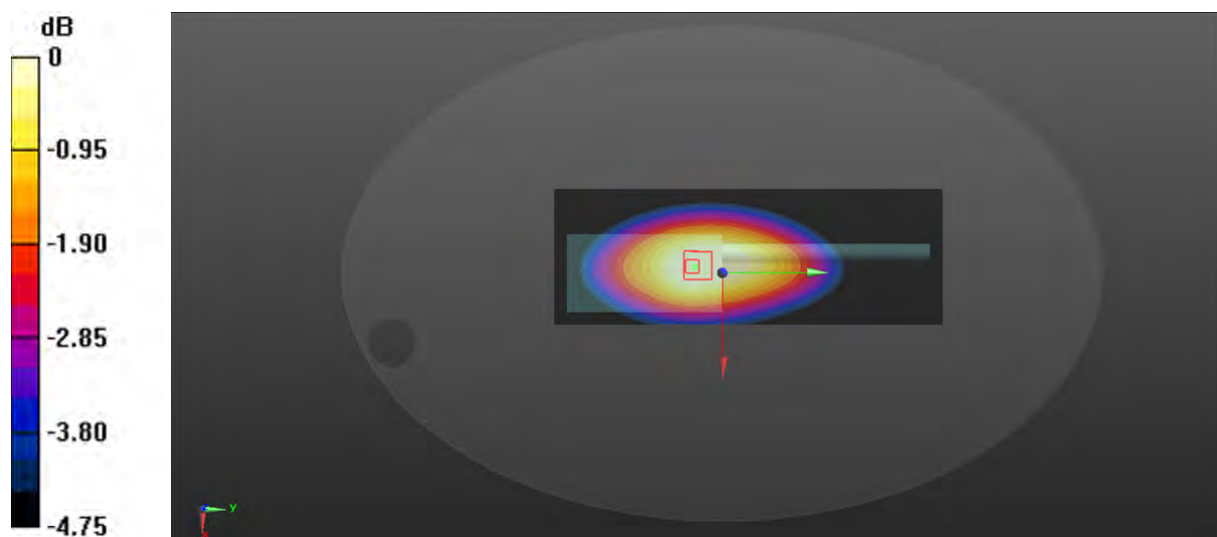
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.26 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 10.0 W/kg

SAR(1 g) = 7.84 W/kg; SAR(10 g) = 6.19 W/kg

Maximum value of SAR (measured) = 8.17 W/kg



0 dB = 8.17 W/kg = 9.12 dBW/kg

Test Plot 63#: FM_12.5kHz_ 512.7375MHz_ Body Back _Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um ; Serial: DG2210607-21603E-SA-S2**

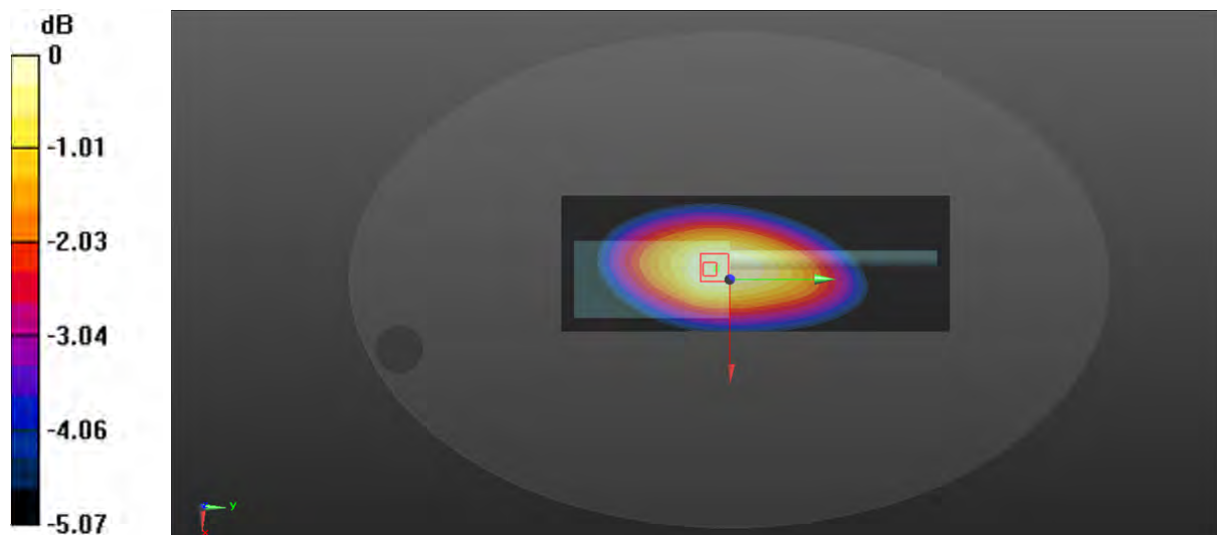
Communication System: FM; Frequency: 512.738 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 512.738 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 43.165$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 512.738 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.79 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 85.01 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 8.08 W/kg **SAR(1 g) = 6.23 W/kg ; SAR(10 g) = 4.85 W/kg** Maximum value of SAR (measured) = 6.55 W/kg 0 dB = 6.55 W/kg = 8.16 dBW/kg

Test Plot 64#: FM_12.5kHz_ 526.9875MHz_ Body Back _Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um ; Serial: DG2210607-21603E-SA-S2**

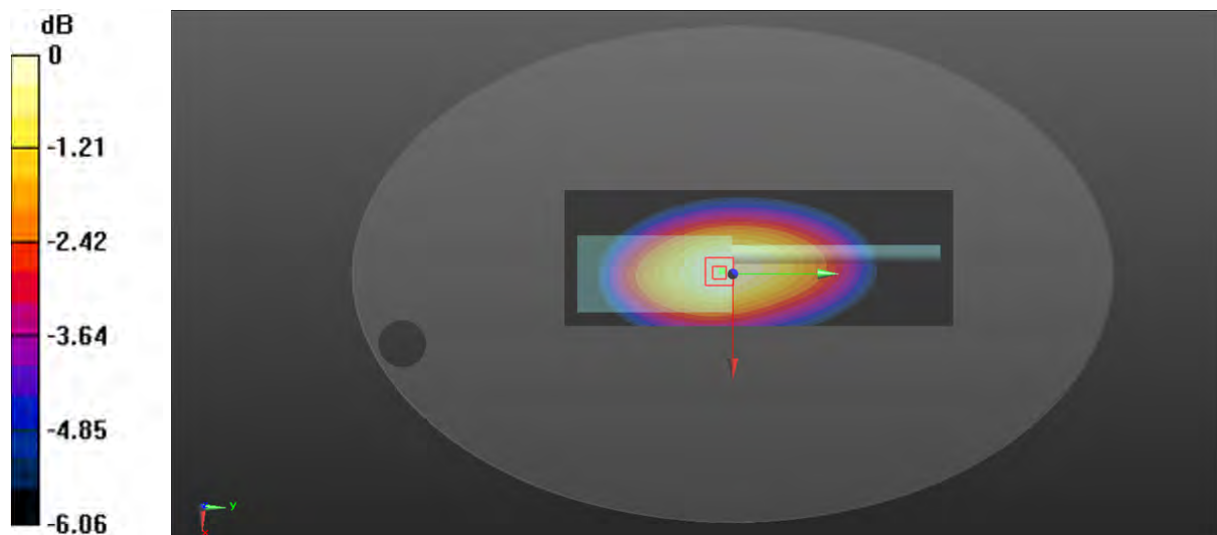
Communication System: FM; Frequency: 526.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 526.988 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 43.118$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 526.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.73 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 77.14 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 6.60 W/kg **SAR(1 g) = 5.22 W/kg ; SAR(10 g) = 4 W/kg** Maximum value of SAR (measured) = 5.49 W/kg 0 dB = 5.49 W/kg = 7.40 dBW/kg

Test Plot 65#: FM_25kHz_ 400.0125MHz_ Body Back _Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.834$ S/m; $\epsilon_r = 44.434$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.43 W/kg

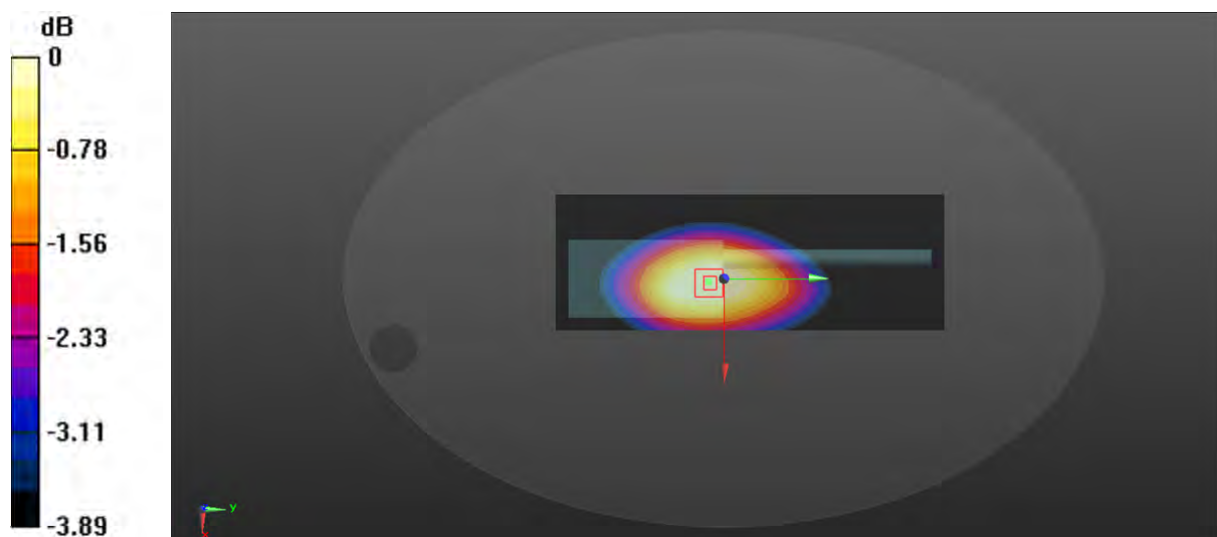
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 104.9 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 10.6 W/kg

SAR(1 g) = 8.83 W/kg; SAR(10 g) = 7.45 W/kg

Maximum value of SAR (measured) = 9.11 W/kg



0 dB = 9.11 W/kg = 9.60 dBW/kg

Test Plot 66#: FM_25kHz_ 417.5125MHz_ Body Back _Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.842$ S/m; $\epsilon_r = 44.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.3 W/kg

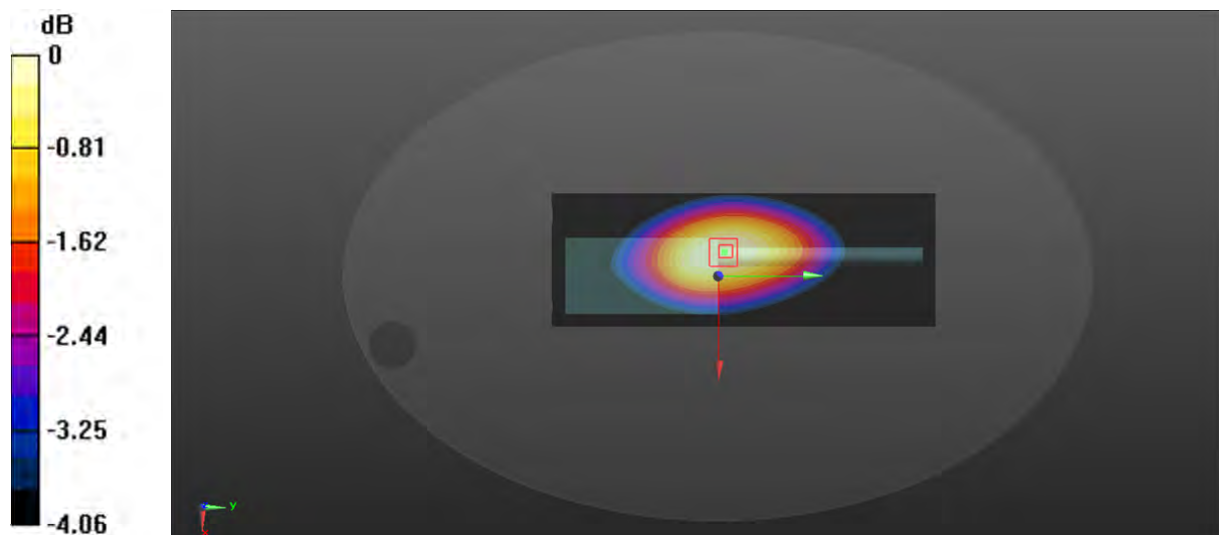
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 99.18 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 9.77 W/kg; SAR(10 g) = 8.01 W/kg

Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 10.1 W/kg = 10.04 dBW/kg

Test Plot 67#: FM_25kHz_ 435MHz_ Body Back _Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435$ MHz; $\sigma = 0.849$ S/m; $\epsilon_r = 44.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.05 W/kg

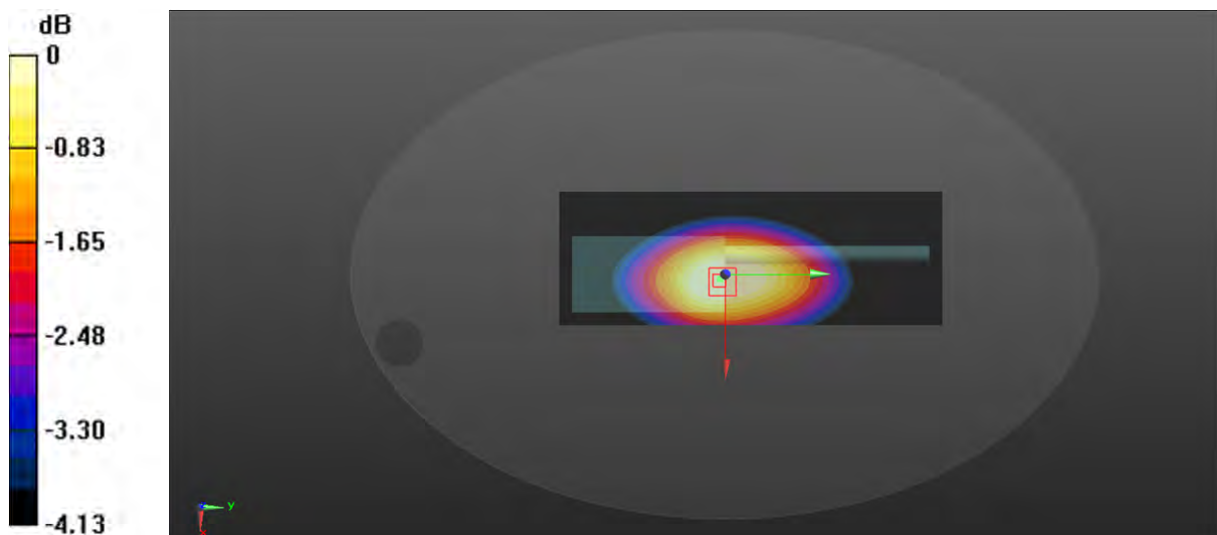
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 100.5 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 8.34 W/kg; SAR(10 g) = 6.98 W/kg

Maximum value of SAR (measured) = 8.60 W/kg



0 dB = 8.60 W/kg = 9.34 dBW/kg

Test Plot 68#: FM_25kHz_ 452.4875MHz_ Body Back _Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 452.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452.488$ MHz; $\sigma = 0.866$ S/m; $\epsilon_r = 43.878$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 452.488 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.57 W/kg

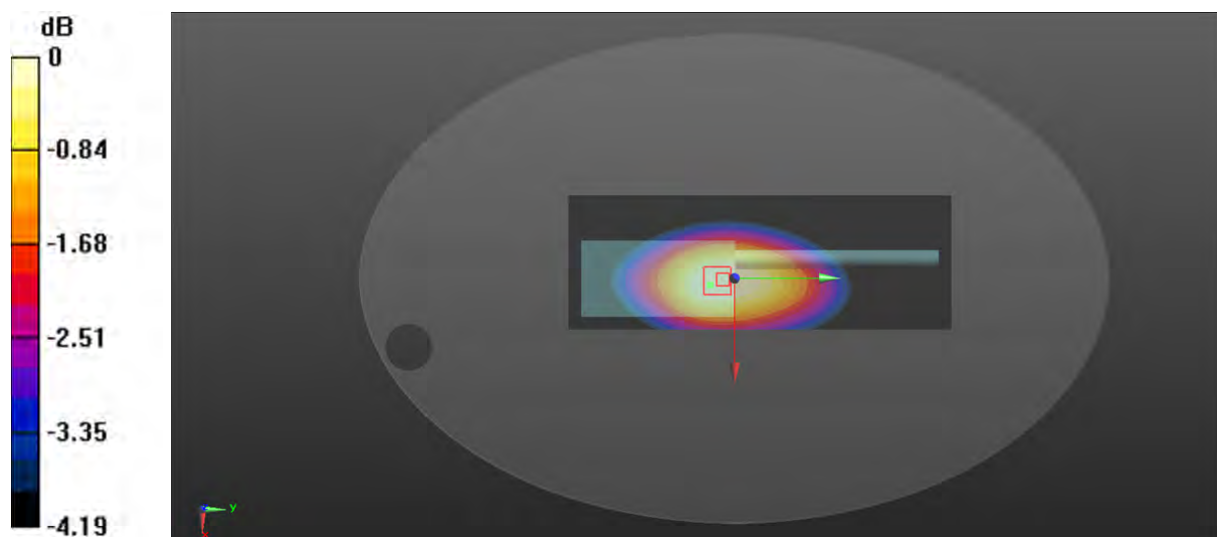
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.31 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 10.0 W/kg

SAR(1 g) = 8.12 W/kg; SAR(10 g) = 6.71 W/kg

Maximum value of SAR (measured) = 8.33 W/kg



0 dB = 8.33 W/kg = 9.21 dBW/kg

Test Plot 69#: FM_25kHz_ 469.9875MHz_ Body Back _Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 43.672$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 469.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.56 W/kg

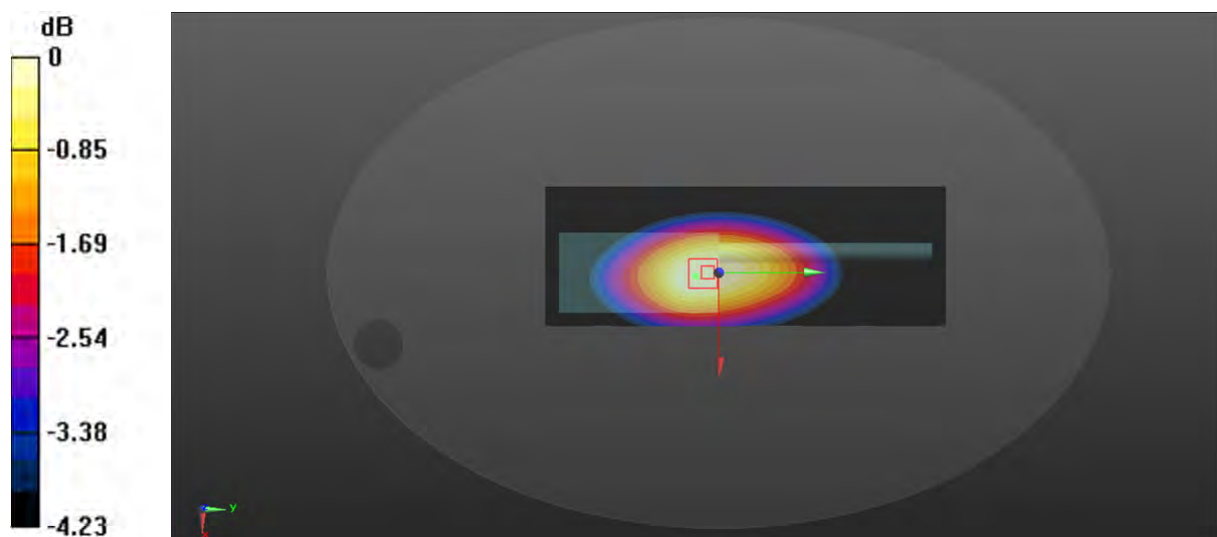
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.61 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 10.2 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 6.66 W/kg

Maximum value of SAR (measured) = 8.42 W/kg



0 dB = 8.42 W/kg = 9.25 dBW/kg

Test Plot 70#: FM_25kHz_470.0125MHz_Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 470.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470.012$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 43.639$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 470.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.2 W/kg

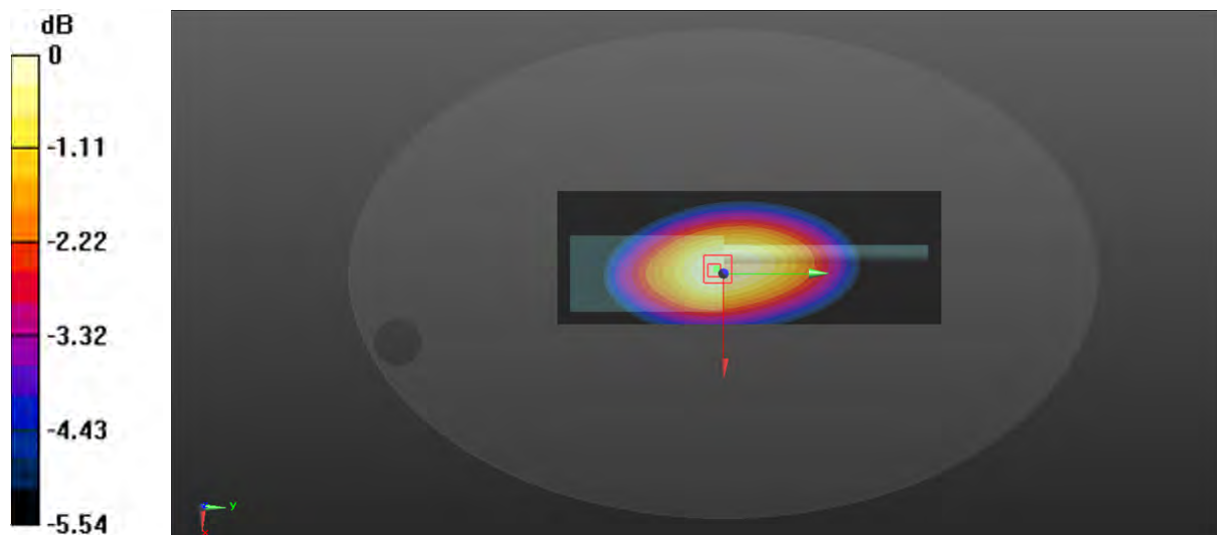
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 105.9 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 9.44 W/kg; SAR(10 g) = 7.39 W/kg

Maximum value of SAR (measured) = 9.89 W/kg



0 dB = 9.89 W/kg = 9.95 dBW/kg

Test Plot 71#: FM_25kHz_484.2625MHz _ Body Back _Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 484.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 43.555$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.1 W/kg

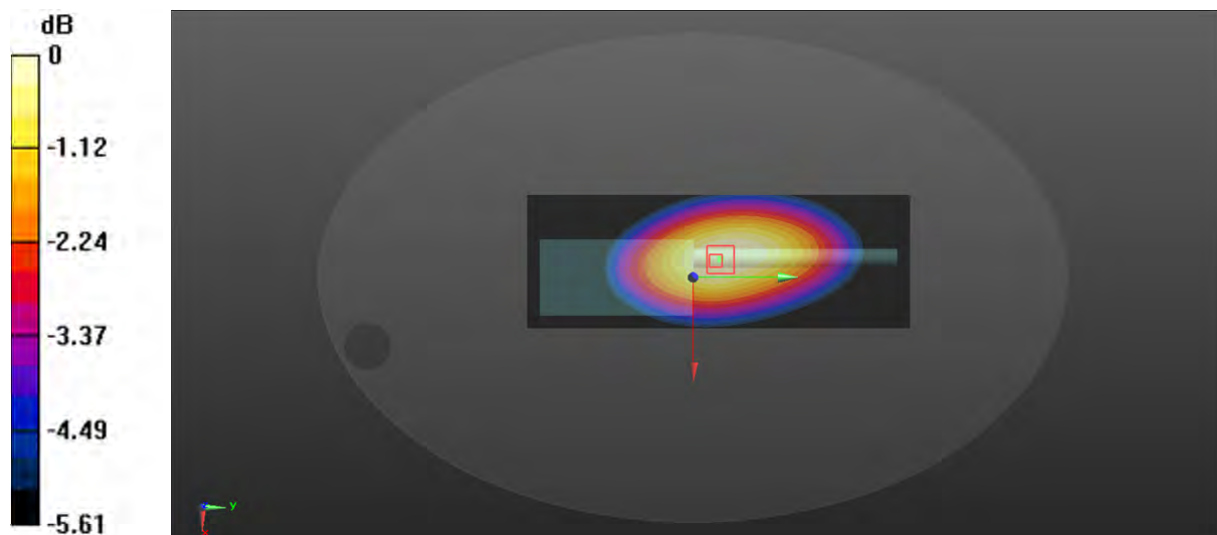
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 101.0 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 7.97 W/kg

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg

Test Plot 72#: FM_25kHz_498.5125MHz_Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 498.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 498.512$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 43.314$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 498.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 9.14 W/kg

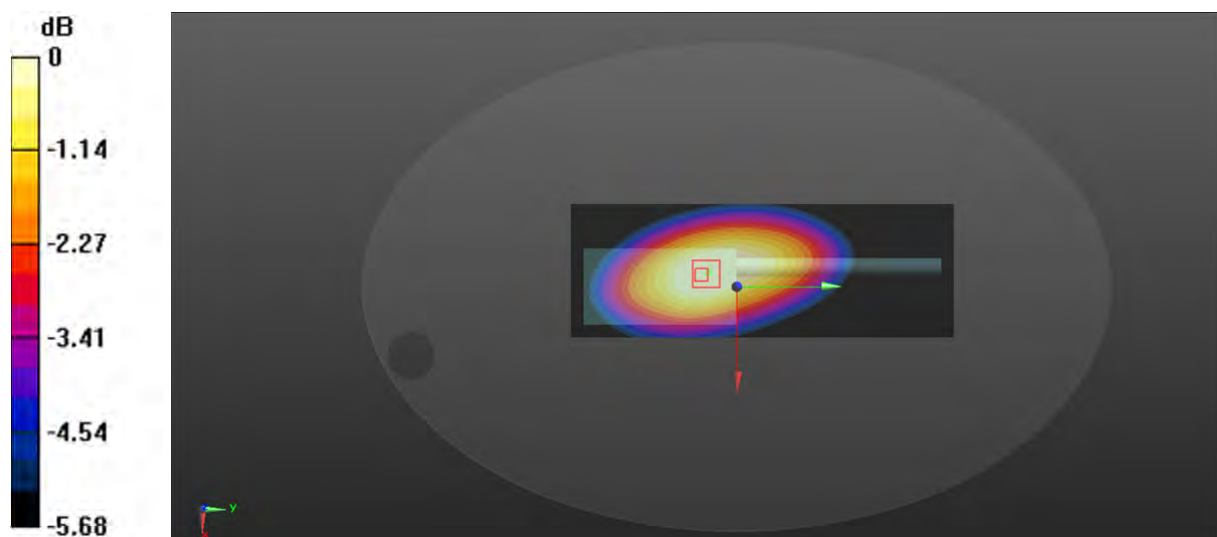
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 95.31 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 8.18 W/kg; SAR(10 g) = 6.37 W/kg

Maximum value of SAR (measured) = 8.53 W/kg



0 dB = 8.53 W/kg = 9.31 dBW/kg

Test Plot 73#: FM_25kHz_512.7375MHz_ Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: FM; Frequency: 512.738 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 512.738$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 43.165$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 512.738 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.33 W/kg

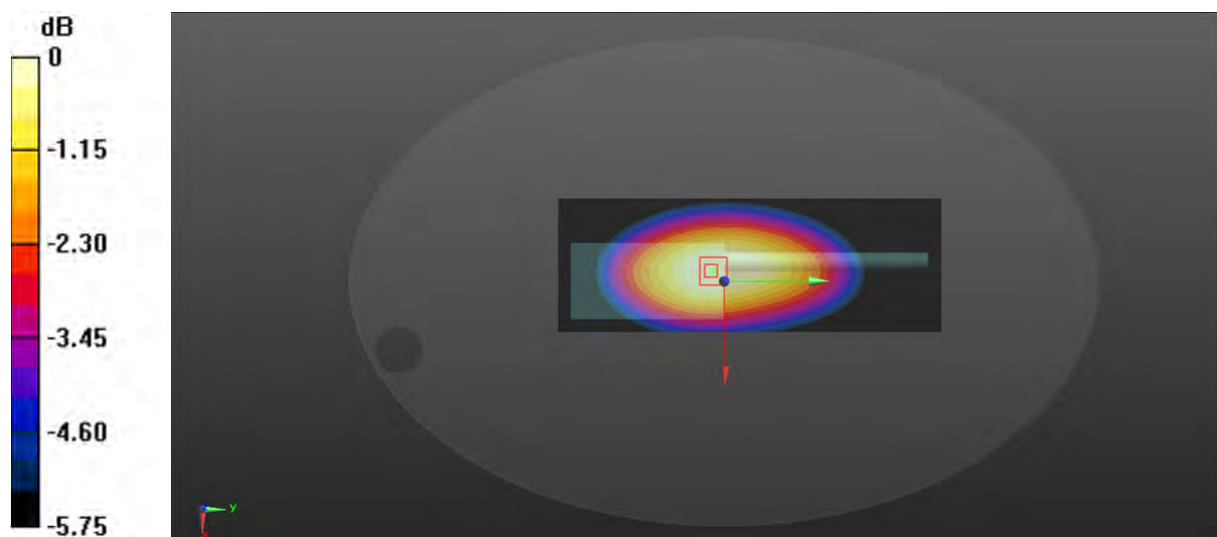
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.78 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 7.20 W/kg

SAR(1 g) = 5.66 W/kg; SAR(10 g) = 4.36 W/kg

Maximum value of SAR (measured) = 5.93 W/kg



0 dB = 5.93 W/kg = 7.73 dBW/kg

Test Plot 74#: FM_25kHz_526.9875MHz _ Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

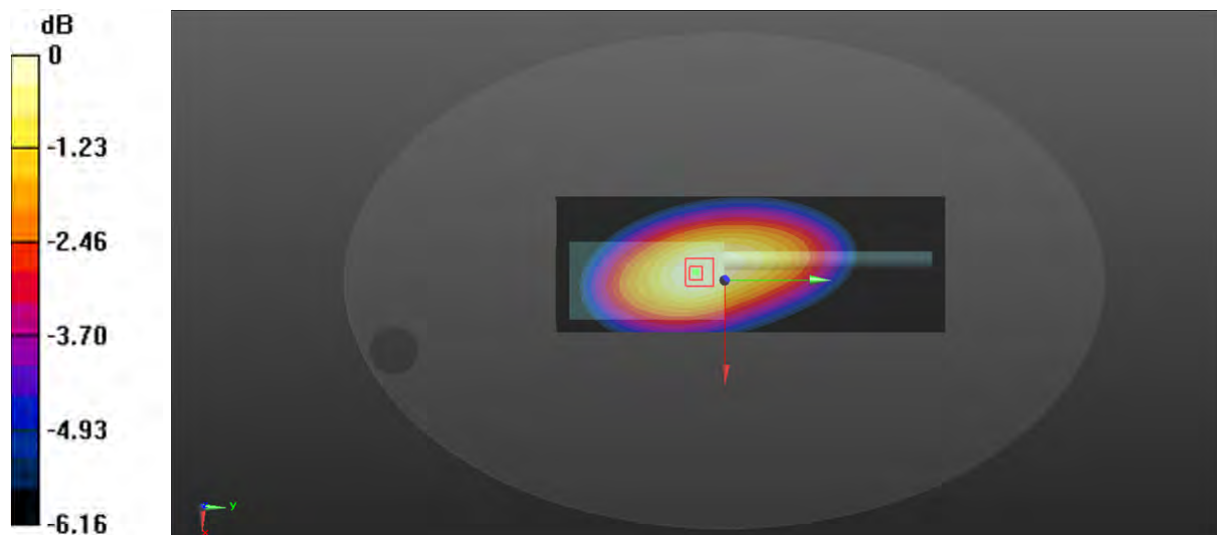
Communication System: FM; Frequency: 526.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 526.988 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 43.118$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 526.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.77 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 68.37 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 5.59 W/kg **SAR(1 g) = 4.36 W/kg ; SAR(10 g) = 3.33 W/kg** Maximum value of SAR (measured) = 4.59 W/kg 0 dB = 4.59 W/kg = 6.62 dBW/kg

Test Plot 75#: 4FSK_417.5125MHz_Body Back_Antenna 1**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: 4FSK; Frequency: 417.512 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.842$ S/m; $\epsilon_r = 44.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.25 W/kg

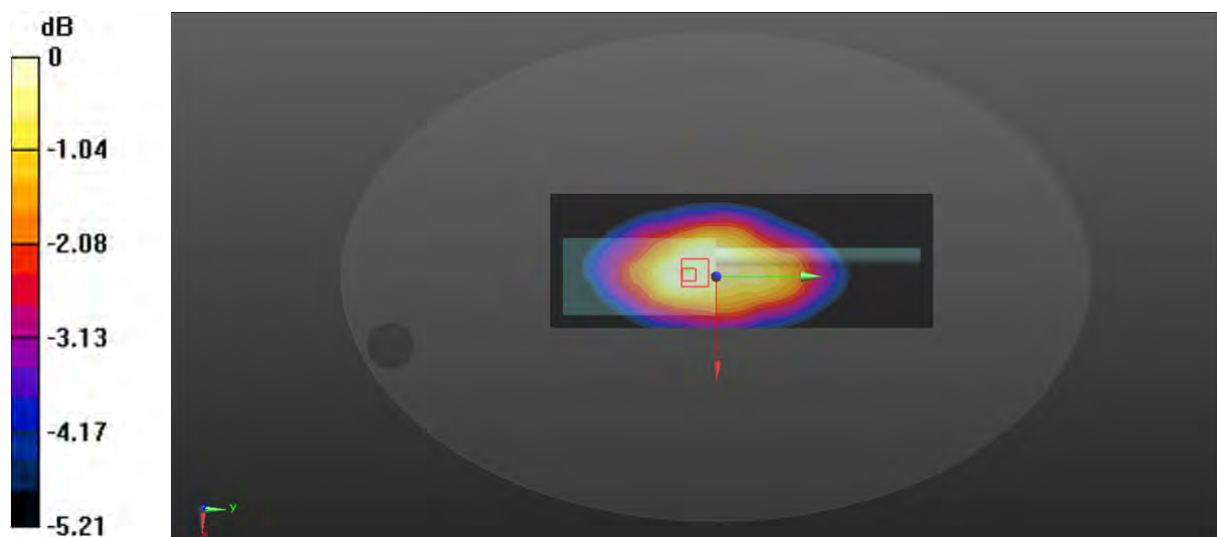
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.47 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 6.81 W/kg

SAR(1 g) = 4.8 W/kg; SAR(10 g) = 3.89 W/kg

Maximum value of SAR (measured) = 5.04 W/kg



0 dB = 5.04 W/kg = 7.02 dBW/kg

Test Plot 76#: 4FSK_484.2625MHz_Body Back_Antenna 2**DUT: Digital Portable Radio; Type: HP602 Um; Serial: DG2210607-21603E-SA-S2**

Communication System: 4FSK; Frequency: 484.262 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 484.262$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 43.555$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 484.262 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.20 W/kg

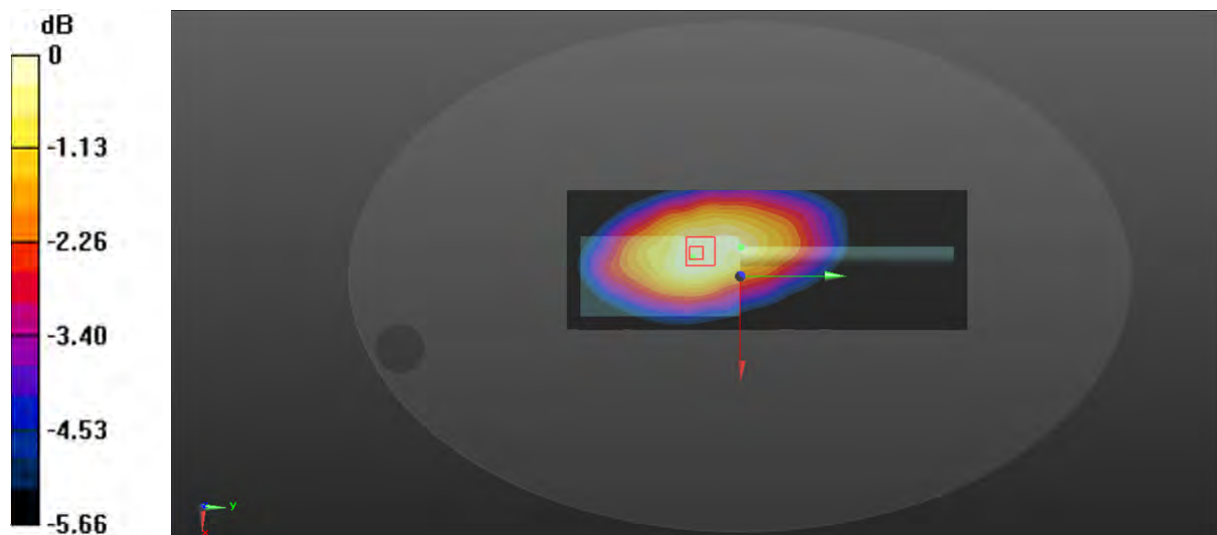
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.06 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 6.83 W/kg

SAR(1 g) = 4.88 W/kg; SAR(10 g) = 3.83 W/kg

Maximum value of SAR (measured) = 5.11 W/kg



0 dB = 5.11 W/kg = 7.08 dBW/kg